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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office Relating to Patents and Designs]

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Calcutta, the 16th January, 1988

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The 15th December, 1987

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03.	Mahabir Jayanti	March,	31	Thursday
04.	Good Friday	April,	01	Friday
05.	Vishu/Bengali New Year's Day	April,	14	Thursday
06.	Budha Purnima	May,	01	Sunday
07.	Id-ul-Fitr	May,	18	Wednesday
08.	Idu'z Zuha (Bakrid)	July,	25	Monday
09.	Independence Day	August,	15	Monday
10.	Muharram	August,	24	Wednesday
11.	Mahatma Gandhi's Birthday	October,	02	Sunday
12.	Addl. Day for Dussehra (Maha Ashtami)	October,	18	Tuesday
13.	Dussehra (Vijaya Dasami)	October,	20	Thursday
14.	Diwali	November,	09	Wednesday
15.	Guru Nanak's Birthday	November,	23	Wednesday
16.	Christmas Day	December,	25	Sunday

M.C. SARKAR, Deputy Controller of Patents and Designs

REGISTRATION OF PATENT AGENTS

The following person has been registered as Patent Agent :—

Mona Singh,
E-18, Saket,
New Delhi-100 017.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 10th December, 1987

965/Cal/87. Georg Fischer Ag. A procedure for the condensing of corned moulding materials.

966/Cal/87. Netherlandse Centrale Organisatie Voor Toegepast-Natuurwetenschappelijj Onderzoek. A process for coating solid substrates. [Divisional date 27th April, 1985].

967/Cal/87. R.J. Reynolds Tobacco Company. Impact modifying agent for use with smoking article.

The 11th December, 1987

968/Cal/87. Nauchno-Issledovatelsky Institut Prikladnykh Fizicheskikh Problem Imeni A. N. Sevchenko. Liquid crystal material.

969/Cal/87. Saibal Roy Optronic sygnal generator.

The 14th December, 1987

970/Cal/87. Orion-Yhtyma Oy. New pharmacologically active compounds, methods for the preparation thereof and compositions containing the same. (Convention dated 28th May, 1987) U.K.

971/Cal/87. E-Lite Technologies, Inc. Method for manufacturing an electroluminescent panel lamp as well as panel lamp thereof.

972/Cal/87. Asahi Glass Company Limited. Cathode having high durability and low hydrogen overvoltage. [Divisional date 13th July 1983]

973/Cal/87. E.I. Du Pont De Nemours and Company. Apparatus for quenching melt spun filaments

974/Cal/87. Klocker-Entwicklungs-GmbH. A process and to an apparatus for achieving a low degree of weft thread waste in the case of fabrics manufactured on shuttleless looms.

975/Cal/87. Siemens Aktiengesellschaft. Gas cooling of dynamo-electric machines.

The 15th December, 1987

976/Cal/87. Walter Frank Albers. Process for producing ethanol. [Divisional dated 24th September, 1983].

977/Cal/87. CRA Services Limited. Chlorination of metallurgical composites. (Convention dated 18th December, 1986) Australia.

The 16th January, 1987

978/Cal/87. Hitachi Ltd. Hermetic dynamic machine.

979/Cal/87. Lanxide Technology Company, LP Method of making shaped ceramic composites.

980/Cal/87. McConway & Torley Corporation. Improved types "E" coupler yoke.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WILLAJAH ROAD, MADRAS-600 002

The 23rd November, 1987

841/Mas/87. Minnesota Mining and Manufacturing Company. Microwebs and nonwoven materials containing microwebs.

842/Mas/87. Atochem. Process for the preparation of a vinyl chloride homo-or copolymer latex, a latex prepared thereby and a vinyl chloride homo-or copolymer obtained from said latex.

843/Mas/87. Samancor Limited. Sorting of ore

844/Mas/87. Gaspower Technology Limited. Engine. (November 21, 1986) United Kingdom).

845/Mas/87. Martin Noel Conlon. A hockey stick. (June 15, 1987; United Kingdom).

The 24th November, 1987

846/Mas/87. Venturama AG. Sterilization of aqueous media by ultraviolet radiation in the presence of magnetic field.

847/Mas/87. Kemira OY. A process for the preparation of hydrogen peroxide.

848/Mas/87. The Dow Chemical Company. Antistatic Polyurethane shoe sole compositions and process for preparing the same.

849/Mas/87. Swiss Aluminium Ltd. Freight container for air transport.

850/Mas/87. Lister Institute of Preventive Medicine. Method of preparing polynuclectides and method of preparing labelled or marked probes. (November 12, 1984; United Kingdom) (Divisional to Patent Application No. 801/Mas/85).

The 25th November, 1987

851/Mas/87. Shell Internationale Research Maatschappij B.V. Process for the manufacture of lubricating base oils. (December 10, 1986; Great Britain).

852/Mas/87. Shell Internationale Research Mattschappij B.V. Process for the manufacture of kerosene and/or gas oils. (December 10, 1986; Great Britain).

853/Mas/87. L'Enrouleur Electrique Moderne. Magnetic coupler with hysteresis, with a couple relatively independent of the sliding speed, and its use.

The 26th November, 1987

854/Mas/87. K.A. Ranghachary, Indian Luminous Flag.

855/Mas/87. Liaisons Electroniques-Mecaniques Lem SA. Electric current sensing device.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 128-A. 161669

Int. Cl. : A 61 L 17/00.

COMPOSITE SUTURES OF SILK AND HYDROPHOBIC THERMOPLASTIC ELASTOMERS AND PROCESS FOR PREPARING SAME.

Applicant : ETHICON INC., LOCATED IN SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

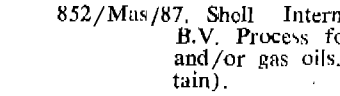
Inventors : 1. SHALABY WAHBA SHALABY, 2. MARTIN STEPHENSON, 3. LOUISE SCHAAP, 4. GRAHAM H. HARTLEY.

Application No. 915/Cal/83 filed July 22, 1983.

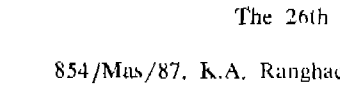
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 claims

A composite suture essentially retaining the handling qualities of silk, which, in the case of size 3—0, is capable of retaining at least 32% of its initial mechanical strength, *in vivo*, after eight weeks; said suture having surface barrier properties against cell infiltration comparable to those of a monofilament and tissue reaction comparable to common synthetic sutures; comprising multi-filament silk embedded in a hydrophobic thermoplastic elastomer having low modulus and soft handle selected from the group consisting of copolymers having the following recurring units A and B wherein unit A has the formula



wherein each G individually represents an alkylene group from 2 to 6 carbon atoms Z represents 1, 4-phenylene, 1, 3-phenylene or trans 1, 4-cychlohexylene, m represents an interger such that unit A form 20 to 50% by weight of the copolymer while unit B forms 50 to 80% by weight of the coplymer, and wherein recurring unit B has the general formula



wherein the radical Z is selected from 1, 4-phenylene, 1, 3-phenylene or trans-1, 4-cychlohexylene, or a branched hydrocarbon chain containing from 24 to 32 carbon atoms or the group —CH—CH_2—

Alk,

wherein alkyl is a linear or branched alkyl or alkylene radical with a chain length about 4 to 30 carbon atoms and wherein G is as defined before, p is between 1 to 15 and f is a integer such that unit B forms 50 to 80% by weight of the said copolymer while unit A forms 20 to 50% by weight of the copolymer with proviso that when the value of P is 1, the radical Z is restricted to said branched hydrocarbon chain or said radical

—CH—CH_2—

Alk,

and wherein substantial all interstices between the silk filaments are filled by said elastomer.

Compl. Specn. 55 pages. Dgs. 2 sheets

CLASS : 32-D. 161670

Int. Cl. : C 07 f 3/00.

A PROCESS FOR PRODUCING ORGANOMETALLIC COMPLEXES.

Applicant : CORNING GLASS WORKS, OF CORNING, NEW YORK, N.Y. 14831, UNITED STATES OF AMERICA.

Inventor : 1. DAVID ALLEN THOMPSON.

Application No. 1120/Cal/83 filed September 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 claims

A process for producing an organometallic complex of the formula : M(hfa$_2$).nTHF wherein M is Mg or Zn, hfa is hexafluoroacetylacetonate, THF is tetrahydrofuran, and n is 1 to 4, which comprises the steps of :

(a) combing an adduct of the complex M (hfa)$_2$ which comprises 1 to 4 adducted molecules with liquid THF to form a liquid reaction mixture;

(b) subjecting the liquid reaction mixture to a temperature in the range from room temperature upto the boiling temperature of the reaction mixture to effect replacement of the adducted molecules by THF;

(c) evaporating the luquid reaction mixture to dryness to form a solid residue; and

(d) collecting the M(hfa$_2$).nTHF product from the residue by sublimation of the residue.

Compl. Specn. 11 pages. Drgs. 3 sheets.

CLASS : 131-A$_2$ B$_3$. 161671

Int. Cl. : E 21 b 41/00.

APPARATUS ADAPTED FOR USE IN WELL TESTING.

Applicant : SCHLUMBERGER TECHNOLOGY CORPORATION, 5000 GULF FREEWAY, P.O. BOX 1472, HOUSTON, TEXAS, UNITED STATES OF AMERICA.

Inventors : 1. SHELBY LOUIS GUIDRY, 2. PERRY JOSEPH DECUIR SR.

Application No. 1162/Cal/83 filed September 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 claims

Apparatus adapted for use in well testing characterized by : a tubular housing having an open bore therethrough; downwardly opening recess means in the wall of said housing laterally offset from said open bore; first electrical contact means mounted in said recess means; and guide means below said recess means for guiding second electrical contact means upwardly into said recess means and into engagement with said first electrical contact means.

Compl. Specn. 20 pages. Drgs. 4 sheets.

CLASS : 70-A, C$_1$. 161672

Int. Cl. : B 41 m 3/08; C 23 b 5, 29, 5/68, 5/70; H 05 k 3/16.

AN ELECTROLESS PLATING APPARATUS.

Applicant : ECONOMICS LABORATORY, INC., OF OSBORN BUILDING, SAINT PAUL, MINNESOTA-55102, UNITED STATES OF AMERICA.

Inventor : 1. CHARLES H. SCHRAMM.

Application No. 1185/Cal/83 filed September 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

An electroless plating apparatus comprising :

(a) a tank in which an article to be electrolessly plated is supported such that said article is at least partially immersed in a constituent bath within said tank;

(b) means for creating a pressure difference within said bath, wherein said bath impinges onto a first surface of said article and is sucked away from a second surface of said article opposite said first surface, wherein said means for creating a pressure difference comprises :

(i) first manifold means a first preselected distance away from said first surface for directing said bath toward said first surface; and

(ii) second manifold means a second preselected distance away from said second surface for drawing said bath away from said second surface, whereby said first and second surfaces are thoroughly subjected to said constituent bath; and

(c) means for causing relative motion between said article and said first and second means in a direction substantially perpendicular to the direction of said impinging bath.

Compl. Specn. 20 pages. Drgs. 3 sheets.

CLASS : 83-B$_1$+83-B$_2$. 161673

Int. Cl. : A 01 g 5/06; A 01 n 1/30, 3/00; A 23 l 3/00, 3/36.

A PROCESS FOR THE PRESERVATION OF FRUITS, VEGETABLES, ANIMAL MATTER AND ORGANIC TISSUE IN GENERAL.

Applicant & Inventor : JOAN JACQUELINE MKENNA, OF 2811 GROVE STREET, BERKELEY, CALIFORNIA, UNITED STATES OF AMERICA.

Application No. 1334/Cal/83 filed October 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 claims

A process for the preservation of fruits, vegetables, animal matter and organic tissue in general which process comprises :

(a) lowering the pressure of the atmosphere in contact with said tissue to release from said tissue at least a substantial portion of the gaseous matter dissolved therein with substantially no vaporization of water from said tissue, and

(b) cooling said tissue to a temperature at or below the freezing point thereof.

Compl. Specn. 17 pages. Drg. nil.

CLASS : 32-F$_1$. 161674

Int. Cl. : C 07 c 49/68.

PROCESS FOR THE PREPARATION OF BROMOANTHRAQUINONES.

Applicant : CIBA-GEIGY AG, KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

Inventors : 1. TIBOR SOMLO, 2. JOHANN REGLI.

Application No. 1461/Cal/83 filed November 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A process for the preparation of pure 1-, 2-bromo-or 1, 4-, 1,5- or 1,8-dibromoanthraquinone by denitrobrominating the corresponding nitroanthraquinones, which process comprises treating 1-, 2-nitro or 1, 4-, 1, 5- or 1,8-dinitroanthraquinone with elementary bromine in the temperature range from 200°C to 350°C.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 156-G. 161675

Int. Cl. : F 04 c 21/00.

MANUALLY OPERABLE HAND PUMP.

Applicant : PHILADELPHIA GEAR CORPORATION, OF SCHUYLKILL EXPRESSWAY, KING OF PRUSSIA, MONTGOMERY COUNTY, PENNSYLVANIA 19406, UNITED STATES OF AMERICA.

Inventors : 1. DAVID ARTHUR DIPASQUALE, 2. JAMES JOHN HAMMER.

Application No. 1494/Cal 83 filed December 6, 1983.

Convention dated 26th May, 1983 (428,926) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

A manually operable hand pump comprising :

(a) an IN port located at one side of said hand pump main piston chamber for receiving hydraulic fluid;

(b) an OUT port located at the other side of said hand pump main piston chamber for discharging hydraulic fluid;

(c) a cross passageway providing hydraulic fluid communication across said hand pump main piston between said IN port and said OUT port when said hand pump main piston is in an upper position;

(d) a first passageway located radially outward of said hand lump main piston chamber for providing hydraulic fluid communication between the bottom of said hand pump main piston chamber and said OUT port;

(e) one-way means in said first passageway blocking hydraulic fluid flow from said OUT port to the bottom of said hand pump main piston chamber;

(f) a second passageway located radially outward of said hand pump main piston chamber for providing hydraulic fluid communication between said IN port and the bottom of said hand pump main piston chamber;

(g) a valve seat and a poppet valve in said second passageway;

(h) an air passageway located radially outwardly of said hand pump main piston chamber and extending from the top of said hand pump main piston chamber toward said IN port; and

(i) a mall lock-out piston in said air passageway, said lock-out piston having a cross-sectional area corresponding to that of said air passageway in which it is located, said lock-out piston being connected by a shaft to said poppet valve.

Compl. Specn. 14 pages. Drgs. 4 sheets.

CLASS : 32-E. 161676

Int. Cl. : C 09 k 3/00.

A PROCESS FOR THE PRODUCTION OF REGENERANTES FOR CARBURIXING SLAT BATHS.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, POSTFACH 1345, D-6450 HANAU 1, WEST GERMANY.

Inventors : 1. DR. HANS-HERMANN BEYER, 2. DR. ULRICH BAUDIS, 3. PETER BIBERBACH.

Application No. 1605/Cal/83 filed December 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

A process for the production of regenerants for carburizing salt baths comprising polymeric organic compounds which have a total composition of [CHN] in which

$$6\ x\ y\ z,$$

x represents from 3 to 5,

y represents from 5 to 8, and

z represents from 10 to 10,000

characterised in that 5 to 7 moles preferably about 6 moles of formaldehyde are reacted with an amine compound selected from dicyadiamide, cyanamide, melamine or suitable mixtures of said compounds in required molar quantities at from 300 to 600°C and the resinous condensation products are subsequently treated by pyrolysis at the same temperature and wherein the amin selected is 3 mole of dicyandiamide or 6 mols of cyanamide or 2 mols of melamine for reaction with 6 mols of formaldehyde.

Compl. Specn. 13 pages. Drg. nil.

CLASS : 127-A, H, 1. 161677

Int. Cl. : F 16 h 21/00.

A POWER TRANSMISSION DEVICE FOR VEHICLES.

Applicant & Inventor : RABINDRA KUMAR DEBGUPTA, SOIL CONSERVATION RANGE OFFICE, P.O. BASUGAON, ST. KUKRAJHAR, ASSAM, INDIA.

Application No. 268/Cal/84 filed April 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

A power transmission device for vehicles comprising at least one lever fixed at one end to a driven shaft or axle and at the other end to a wheel or disc to be rotated, the lever being fulcrummed at a location intermediate its length, the fulcrum being nearer the second mentioned end.

Compl. Specn. 9 pages. Drgs. 2 sheets.

CLASS : 167-C & E. 161678

Int. Cl. : B 07 b 1/00.

AN IMPROVED SCREENING MACHINE.

Applicant : HEIN, LEHMANN AG., OF FICHTENSTR. 75, D-4000 DUSSELDORF, WEST GERMAY.

Inventor : 1. KURT HOPPE.

Application No. 526/Cal/84 filed July 23, 1984.

6 claims

Improved screening machine, wherein the screening machine has a plurality of transverse girders, a parallel to one another and arranged transversely to the transport direction of the material being screened on or between which girders is fixed a flexible screen and wherein the transverse girders are movable relative to one another, being driven by at least two motion systems in such a manner that mutually adjacent transverse girders alternatively move together and apart and wherein the transverse girders are located inseparate, mutually parallel planes, which are inclined to the planes, in which the transverse girders of each motion systems are located, the said improved screening machine being characterized in that each motion system is movably fitted to a base frame located below it but such that each system is independent of one another.

Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 21-B+128-G. 161679

Int. Cl. : A 43 b 7/00.

ACUPRESSURE SANDAL.

Applicant & Inventor : SATISH CHANDRA LAKHOTIA, C/O. ACUPRESSURE THERAPY HEALTH CENTRE, 74, PARK STREET, CALCUTTA-700 017, INDIA.

Application No. 65/Cal/85 filed January 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

An "acupressure" sandal made of rubber or like elastic material characterised in that the surface of its sole facing the feet has a plurality of fine upward projections wherein the said projections prop up vertically or at an inclination to the surface of the sole and have a varying upward length from the surface of the sole depending on the configuration of the sole of the weavers' feet.

Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 63-D. 161680

Int. Cl. : H 05 k 1/00, 7/00.

MODULAR HOUSING ASSEMBLY FOR ELECTRICAL COMPONENTS.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : 1. DIETER FAHRENKROG-PETERSEN.

Application No. 407/Cal/85 filed May 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A housing assembly for housing electrical components such as printed circuit boards and comprising a plurality of housing modules which are arranged side-by-side to provide a predetermined width of housing assembly, in which :

each housing module is made of two housing portions which are joined together; and

each of said housing portions has a width which is either 1/12th or 3/12 of said predetermined width of the housing assembly and in which the housing portions of each module are generally U-shaped in cross section and abut along the free ends of the limbs of the U-sections, and in which each pair of abutting free ends comprise respective grooves formed therein and a corresponding connecting strip pressed into the grooves in order to join the free ends together.

Compl. Specn. 11 pages. Drgs. 2 sheets.

CLASS : 134-A & 206-E. 161681

Int. Cl. : B 60 k 33/0.

A SYSTEM FOR PRODUCING ELECTRICAL ACTIVATING SIGNALS WHEN A VEHICLE OPERATES AT CERTAIN PRESELECTED SPEEDS.

Applicant : TECHMECHTRON PRIVATE LIMITED AN INDIAN COMPANY, OF 147-B, 12TH MAIN ROAD, III BLOCK, KORAMANGALA, BANGALORE-560 034, KARNATAKA STATE, INDIA.

Inventor : RASHID FUTEHALLY.

Application No. and Provisional Specification No. 241/Mas/83 filed January 23, 1984.

Complete Specification left : April 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 claims

A system for producing electrical activating signals capable of activating an electrical circuit which goes "high" (or "low") when a vehicle operates at certain pre-selected speeds, such systems being based upon the time taken by the vehicle to traverse a fixed increment of distance characterised in that the said system comprises a monitoring means including signal producing means mechanically connected to the vehicle so as to periodically monitor the traversing of a preset fixed distance by the said vehicle and to emit electrical signals indicating the moment of starting and the moment of ending of such traversing; and a circuit for generating electrical activating signal the input of which is connected to the output of said monitoring and signalling means, consisting of a time interval checker comprising a bi-stable arranged to be put in one of its stable states by the said "starting" signal and in the other state by the said "ending" signal, a monostable triggered by the said "starting" signal caliberated to remain in the triggered state for a pre-set time equal to the time taken by the vehicle to traverse the said fixed distance at a desired speed; a second monostable also triggered by the said starting signal but caliberated to remain in triggered state for a different time corresponding to a different speed, the outputs of the said bi-stable and each of the said monostable being connected to the inputs of separate AND gates, the outputs of the said AND gates being connected to a logic circuit consisting of conventional digital of analog elements to produce corresponding suitable "high" or "low" signals for the operation of controlling, indicating or recording means.

Prov. 19 pages; Com. 22 pages; Drgs. 4 sheets.

CLASS : 107-F. 161682

Int. Cl. : F 02 p 9/00; 23/00.

INTERNAL COMBUSTION ENGINE COIL-TYPE IGNITION CONTROL.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, OF GREAT KING STREET, BIRMINGHAM B 19 2XF, ENGLAND, A BRITISH COMPANY.

Inventors : (1) STEPHEN WILLIAM CADDY, (2) MICHAEL HOLMES.

Application No. 530/Mas/84 filed July 20, 1984.

Convention Application No. 8319694 (United Kingdom dated : July 21, 1983).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 claims

An internal combustion engine coil-type ignition control comprising a semiconductor output switching element such as herein defined for controlling current through an ignition coil, means for switching said switching element on to commence coil current growth, and off for creating a spark, current sensitive means for sampling the level of current in the coil at an instant prior to switching off of said switching element, means for calculating the error between the sampled current and a desired value and for adjusting the timing of switching on said switching element to cause the coil current at the instant of sampling in succeeding ignition cycles to approach said desired value, the magnitude of the adjustment being proportional to the magnitude of said error, the arrangement being such that the coil current at the instant of sample can exceed said desired value and be regulated to said desired value solely by adjusting said timing in normal operation.

Com. 13 pages; Drgs. 5 sheets.

CLASS : 136-E. 161683

Int. Cl. : B 29 d 2300.

A METHOD AND APPARATUS FOR FLANGING TUBULAR ARTICLE OF A CRYSTALLISABLE THERMOPLASTIC POLYMER.

Applicant : METAL BOX P.L.C., A BRITISH COM-

PANY, OF QUEENS HOUSE, FORBURY ROAD, READING, BERKSHIRE, RG1 3JH, ENGLAND.

Inventors : (1) DAVID ALLAN DICK (2) I GYLN STAINES.

Application No. 532/Mas/84 filed July 21, 1984.

Convention Application No. 8319768 dated July 22, 1983; (United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 claims

A method of flanging a tubular article of a thermoplastic polymer by the steps of applying an end (12) of the tubular article (10) to a flanging die (20) which engages the inner surface of the end, heating the said end of the tubular article to a flanging temperature at which the said thermoplastic polymer is softened, forcing the tubular article and the die together so that the heat-softened end of the tubular article is forced by the die to move outwards to form a flange (11), and causing the flanged end of the tubular article to cool, the tubular article being made of a crystallisable thermoplastic polymer which, prior to flanging has been drawn and heat-set to an elevated temperature, leaving the material with a residual shrinkage capability, and in that the flanging temperature is above the glass transition temperature of the polymer but below the elevated temperature to which it has been heat-set, forcing the tubular article and the die together, the flanged end of the tubular article thus formed is cooled while it is restrained against deformation to set the flange in accordance with said well defined dimensions.

Com. 16 pages; Drgs. 2 sheets.

CLASS : 90C. 161684

Int. Cl. : C 03 c 27/10.

A SECURITY GLASS.

Applicant & Inventor : THE POST OFFICE, A BRITISH CORPORATION INCORPORATED BY STATUTE, OF POSTAL HEADQUARTERS, ST. MARTINS-LE-GRAND, LONDON ECIA 1 HQ., ENGLAND.

Application No. 593/Mas/84 filed August 9, 1984.

Convention dated 10th August, 1983, No 321555, Great Britain.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 claims

A security glass which is a laminate of a plurality of layers of glass and a plurality of layers of flexible bonding material disposed alternatingly to form a laminate of greater tensils strengthen than the glass, the layers of flexible bonding material not all possessing the same thickness, a layer of the flexible bonding material which possesses the greater or greatest thickness of any of the layers of flexible bonding material being positioned such that it is not the layer of flexible bonding material which is forwardmost in relation to the direction of expected impact, and there being at least three different thicknesses of glass, said laminate including a rearmost glass layer less than 2mm thick which is thinner than the glass layers forward thereof which possesses a thickness of from 40 to 80% of the thickness of the next thickest glass layer and which is toughened so that said laminate substantially resists spalling from the rear surface when subject to impact on the front surface.

Compl. Specn. 18 pages Drgs. 2 sheets.

CLASS : 35-C. 161685

Int. Cl. : C 04 b 9/04.

A PROCESS FOR PRODUCING SOLID PHOSPHORUS PENTOXIDE CONTAINING MATERIAL SUITABLE FOR USE IN FAST SETTING CEMENTS

Applicant : STAUFFER CHEMICAL COMPANY, A CORPORAION ORGANISED UNDER THE LAWS OF STATE OF DELAWARE, U.S.A., OF WESTPORT, CONNECTICUT 06881, U.S.A.

Inventors: (1) FAWZY GAMALELDIN SHFRIF (2) FRANCIS ANTHONY VIA.

Application No. 662/Mas/84 filed August 28, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A process for producing solid phosphorus pentoxide containing material suitable for use in fast-setting cements comprising mixing a porous material such as hereinbefore described with phosphorus pentoxide containing liquid selected from aluminium phosphate solution, phosphoric acid solution, ammonium phosphate solution, calcium phosphate solution and mixtures thereof and heating the mixture at a temperature of 60°C to 200°C until dry solid phosphorus pentoxide containing material is produced.

Com. 23 pages. Drgs. Nil.

CLASS : 108 C3. 161686

Int Cl. ; C 22 C 39/32.

A METHOD FOR THE PRODUCTION OF A WORK-HARDENABLE AUSTENITIC MANGANESE STEEL.

Applicant & Inventor : BERND KOS, OF ENDRES GASSE 11, A-8700 LEOBEN, OESTERREICH, AUSTRIA; A CITIZEN OF AUSTRIA.

Application No. 671/Mas/84 filed September 3, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 claims

A method for the production of a work-hardenable austenitic manganese steel comprises the steps of :

melting in an electric furnace the following elements

0.8 to 1.8 percent by weight carbon,

6.0 to 18.0 percent by weight manganese,

0 to 3.0 percent by weight chromium,

0 to 2.0 percent by weight nickel

0 to 2.5 percent by weight molybdenum and

0 to 1.0 percent by weight silicon,

wherein the ratio of carbon to manganese is in the range of 1:8 to 1:14, refining the melt thus formed in a known manner, adding 0.01 to 0.08 percent by weight of vanadium at the end of refining period, deoxidizing the melt by adding aluminium in an amount of 0.02 to 0.09 percent by weight, tapping the melt into the casting ladle, adding titanium in an amount of 0.01 to 0.08 percent by weight into the melt annealing the cast at a temperature of 1050 to 1150°C to effect heat treatment, and rapidly cooling the cast.

Compl. Specn. 12 pages. Drg. nil.

CLASS : 47-F. 161687

APPARATUS FOR GASIFYING CARBONACEOUS MATERIAL.

Applicant : SUMITOMO METAL INDUSTRIES, LTD., A JAPANESE BODY CORPORATE OF 15, KITAHAMA 5-CHOME, HIGASHI-KU OSAKA-SHI, OSAKA, JAPAN.

Inventors : (1) HIDEMASA NAKAJIMA, (2) SHOZO OKAMURA, (3) MASANOBU SUEYASU, (4) SAKAE FURUJO & (5) SHOJI ANEZAKI.

Application No. 684/Mas/84 filed September 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 claims

An apparatus for gasifying carbonaceous material by means of blowing said carbonaceous material onto a high temperature molten iron bath through a top-blowing lance of the non-immersion type, which comprises :

a furnace body containing the high temperature molten iron bath;

a multi-nozzle, top-blowing lance of the non-immersion type comprising a central nozzle for blowing the carbonaceous material in a powdery form, and a plurality of inner nozzles for blowing a gasifying agent, the inner nozzles for blowing the gasifying agent being positioned surrounding said central nozzle;

means for discharging the slag formed during gasification; and

means for recovering the product gas,

characterised in that the multi-nozzle, to-blowing lance comprises plurality of outer nozzles for blowing an oxidizing gas for secondary combustion of part of the product gas to maintain the molten iron bath temperature at a level high enough to continue the gasification, said outer nozzles being positioned surrounding said plurality of inner nozzles, the axis of each of said other nozzles being inclined towards the outer periphery at an angle 20-60? with respect to the axis of said central nozzle.

Com. 19 pages; Drgs. 4 sheets.

CLASS : 205-J. 161688

Int. Cl. : B 60 b 3/00.

VEHICLE WHEEL.

Applicant : CONTINENTAL GUMMI-WERKE AKTIENGESELLSCHAFT OF KONIGSWORTHER, PLATZ 1, 3000 HANNOVER, FEDERAL REPUBLIC OF GERMANY.

Inventor : HEINRICH HUININK, UDO FRERICHS DIONYSIUS POQUE.

Application No. 769/Mas/84 filed October 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 claims

A vehicle wheel having a pneumatic tyre, characterized in that the said wheel comprises a rigid rim, which has laterally external rim flanges (5) and seating surfaces (7) adjacent said rim flanges on the radially outer end of the rim for the tyre, and a pneumatic vehicle tyre, which is formed substantially from rubber or rubber-like plastics materials and has a carcase (1) formed from textile and/or metallic reinforcing members, said carcase being secured in the beads (3) by means of substantially inextensible core rings (2) the rim is provided axially internally of the seating surfaces (7) with a supporting member (8) having a diameter which is larger than the diameter formed by the rim flanges (5); the tyre wall (10) extends laterally outwardly to a flat manner from the core ring (2) in the region of the rim flange (5), such an extensin being in an angular range of between 0?C and 20?C relative to the axis of rotation of the tyre; the neutral line of the carcase traverses this range and thereby avoids a turning point.

Compl. Specn. 11 pages, Drgs. 3 sheets.

CLASS : 32 F 2(a). 161689

Int. Cl. : C 07 c 91/44.

AN IMPROVED PROCESS FOR THE PRODUCTION OF AN AMINOPHENOL.

Applicant : SUMITOMO CHEMICAL COMPANY, LTD. OF 15 KITAHAMA 5-CHOME, HIGASHI-KU OSAKA-SHI, OSAKA, JAPAN, A JAPANESE COMPANY.

Inventor : NARUHISA HARADA, HIROSHI MAKI, SHIGERU SASAKI.

Application No. 429/Mas/85 filed June 11, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 claims

In a process for the production of an aminophenol which comprises reacting a divalent phenol which contains a fresh and/or recovered unreacted divalent phenol and ammonia in the absence of a catalyst or in the presence of a water-soluble catalyst, then separating the reaction mixture after the reaction to recover a separated and recovered product containing an aminophenol and the unreacted divalent phenol, and separating and purifying the aminophenol from said separated and recovered product, the improvement which is characterized by contacting said separated and the recovered product containing aminophenol with an aliphatic ether such as herein described substantially incompatible with said aminophenol in an inert gas atmosphere at a temperature at which said separated and recovered product melts or higher then cooling to induce the crystallization of the aminophenol, thereafter filtering and recovering to obtain a cake mainly composed of said aminophenol, further melting and contacting this cake with an aliphatic ether in an inert gas atmosphere in the copresence of 5 to 100 parts by weight of water and 0.005 to 5 parts by weight of surfactant per 100 parts by weight of said cake, and then cooling to induce the crystallization of said aminophenol and recovering it.

Compl. Specn. 23 pages. Drgs. 1 sheet.

CLASS : 32-F.2(a). 161690

Int. Cl. : C 07 c 89/00; 91/44.

METHOD FOR THE PRODUCTION OF M-AMINOPHENOL.

Applicant : SUMITOMO CHEMICAL COMPANY, LTD., OF NO. 15, KITAHAMA 5-CHOME, HIGASHI-KU, OSAKA-SHI, OSAKA, JAPAN, A JAPANESE COMPANY.

Inventors : (1) HARUHISA HARADA, (2) HIROSHI MAKI & (3) SHIGERU SASAKI.

Application No. 95/Mas/86 filed February 11, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 claims

A method for the production of m-aminophenol comprising non-catalytically reacting amonia and resorcinol at a molar ratio of 1.01/1 or more and temperature between 180 and 300?C and at a pressure of from 25 to 80 kg/cm^2 (gauge) in the presence of water recovering the m-aminophenol formed in a manner such as herein described.

Com. 10 pages. Drg. nil.

CLASS : 33-A. 161691

PROCESS FOR PRODUCING A TUBULAR MOULD FOR THE CONTINUOUS CASTING OF STEEL OR OTHER HIGH-MELTING METAL.

Applicant : KABEL-UND METALLWERKE GUTEHOFFNUNGSHUTTE AKTIENGESELLSCHAFT, OF KABELKAMP 20, 3000 HANNOVER 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. EIKE WEISNER, 2. HORST GRAVEMANN.

Application No. 568/Cal/83 filed May 6, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

Process for producing a tubular mould for the continuous casting of steel or another high-melting metal, this mould having a cross section which is rectangular or square, and comprising a mould body composed of copper or a copper alloy having a wear-resistant coating on the surface which is to face the melt, chaarcterised in that tube of round cross-section is provided by extrusion and/or rolling and/or drawing, the round tube thus obtained is thereafter provided with the wear resistant coating, such as herein described by an electrolytic method in a known manner and the coated tube thus obtained is thereafter shaped by a known method to produce a tube having a cross-section which is rectangular or square.

Compl. Specn. 10 pages. Drg. nil

CLASS : 32-F_2 4; 55D_2 161692

Int. Cl. : C 07 c 31/16.

PROCESS FOR PREPARING S-ALPHA-CYANO-3-PHENOXYBENZYL ALCOHOLS OR MIXTURES ENRICHED THEREIN.

Applicant : SHELL OIL COMPANY, ONE SHELL PLAZA, HOUSTON, TEXAS, 77001, UNITED STATES OF AMERICA.

Inventors : 1. DONALD WESLEY STOUTAMIRE (2) CHARLES HENRY TIEMAN, (3) WALTER DONG.

Application No. 1346/Cal/83 filed November 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 claims

A process for the preparation of an S-alpha-cyano-3-phenoxy-benzyl alcohol or a mixture enriched therein which comprises treating 3-phenoxybenzaldehyde with a source of hydrogen cyanide in the presence of a substantially water-immiscible aprotic solvent and a cyclo (D-phenylalanyl-D-histidine dipeptide catalyst.

Compl. Specn. 39 pages. Drg. 1 sheet.

CLASS : 186-B_4. 161693

Int. Cl. : H 03 k 13/00.

PAGER DECODING SYSTEM.

Applicant : N.V. PHILIPS GLOEILAMPENFABRIKEN, EINDHOVEN, NETHERLANDS.

Inventors : 1. ANTHONY KEITH SHARPE (2) ANDREW DAVID MoPHERSON.

Application No. 74/Cal/84 filed February 2, 1984.

Convention dated 25th February, 1983 (83 05294) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 claims

A pager decoding system for decoding information transmitted in a binary coded signal format involving transmission of a preamble signal followed immediately by transmission of a sequence of batches of code words wherein a code word consists of m bits, and a batch consist of n code words, the first code word of a batch being a given synchronization code word, said preamble comprising a repeating pattern at least m (n 1) bits in length comprising a receiver for receiving transmitted binary coded information, including a pager receiver section, a timing control circuit for switching said receiver section on for a duration corresponding to m bits, at intervals corresponding to (n+1) code words, a shift register coupled to said receiver section output, for storing data received during m consecutive bit periods, said shift register having an m stage parallel output data stored in said shift register being concatenated onto data received in a previous interval, a preamble detector coupled to said shift register and the timing control circuit for detecting presence of a preamble pattern at said register output, in response to detection of said pattern setting said timing control circuit to maintain said receiver section switched on until detecting of a synchronization code word, a synchronization detector coupled to said shift register and said control circuit for detecting presence of a synchronization code word at said register output, and in response to detection of a synchronization code word to reset said timing means to an off state for a predetermined time period, and then to switch said receiver section on for a second predetermined time period.

Compl. Specn. 17 pages. Drgs. 2 sheets.

CLASS : 195-D. 161694

Int. Cl. : F 16 k 43/00.

A DEVICE FOR ASSISTING CLOSURE OF A VALVE ELEMENT OF A VALVE.

Applicant : JOHN VALVES PTY. LTD., OF CRESWICK ROAD, BALLART, VICTORIA, AUSTRALIA.

Inventor : 1. WILLIAM BANKS.

Application No. 114/Cal/84 filed February 17, 1984.

Convention dated 25th February, 1983 (PF 8204) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

A device for assisting closures of a valve element of a valve, said device comprising a closure member coupled to said valve element so as to rotate the valve element about an axis between an open position in which fluid can pass through the valve and a closed position in which fluid cannot pass through the valve, and biasing means coupled for relative movement to the closure member by a pivot pin, such that when the valve element is in the open position the closure member and biasing means are in a single generally straight line containing the centre axis of the pivot pin and the valve element rotation axis, the closure member and the biasing means applying no torque to the valve element to move the valve element when the valve element is in the open position so that the valve remains in the open position, and when the valve element commences to close, the closure member is moved relative to the biasing means so that the biasing means and closure member are no longer in said single straight line so that torque is continuously exerted by the biasing means through the closure member to assist closure of the valve element.

Compl. Specn. 11 pages. Drg. 4 sheets.

CLASS : 68-D. 161695

Int. Cl. : H 01 f 29/00.

SINGLE-PHASE COMPENSATING CHOKE.

Applicant : BROWN, BOVERI & CIE AKTIENGESELLSCHAFT, OF D-6800 MANNHEIM KÄFERTAL, KALSTADTER STRASS 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. BERNHARD KRAMER.

Application No. 242/Cal/84 filed April 6 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

A single-phase compensating choke which is provided with a magnetic column of individual column sections with radial laminations and ceramic spacers which are interposed into the air gaps of these sections, and provided with return arms which are poined to each other via a lower yoke and an upper yoke which consists of parallel laminations, characterised in that the upper yoke is formed from laminations which are cut in its centre under a cutting angle of less than 90° and which overlap in a triangular area when they are interleaved with the acute-angle area pointing downwards to the magnetic column, which triangular area is deflected during expansion of the magnetic column.

Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 186-B_4. 161696

Int. Cl. : H 04 1 3/00.

DISTRIBUTED PROCESS CONTROL SYSTEM WITH MEANS AND METHOD OF DATA HIGHWAY-REDUNDANT OPERATION.

Applicant :WESTINGHOUSE ELECTRIC CORPORATION., OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. KIRK DOUGLAS HOUSER, 2.. CARL JOSEPH STAAB, 3. WARREN ALBERT EDBLAD 4. DONALD JAMES JONES, 5. DAVID MICHAEL ORAVETZ.

Application No. : 417/Cal/84 filed June 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A distributed process control system having a plurality of processors at varying points in the system, and a data highway interconnecting said processors, each said processor has circuitry for obtaining data from respective system points and for transmitting said data as messages on said highway, each of said processors having circuitry to receive said messages and to analyze status words and to detect when a given condition exists.

Compl. specn. 73 pages Drg. 26 sheets

CLASS : 32-F_1. 161697

Int. Cl. : C 07 c 21/04.

METHOD FOR THE MANUFACTURE OF ALLYL CHLORIDE.

Applicants : INSTYTUT CIEZKIEJ SYNTEZY ORGANICZNEJ "BLACHOWNIA" AND ZAKLADY CHEMICZNE-"ORGANIKA-ZACHEM", BOTH OF KEDZIERZYN-KOZLE, POLAND AND BYDGOSZCZ, ALEJE LUDOWEGO WOJSKA POLSKIEGO 65, POLAND.

Inventors : 1. WLADYSLAW MADEJ, 2. MARIAN SPADLO, 3. ZOFIA POKORSKA, 4. JERZY WASILEWSKI, 5. MANFRED STAISZCZYK, 6. GRZEGORZ LEWANDOWSKI, 7. TADEUSZ WILUSZ, 8. ANDRZEJ LAUER.

Application No 417/Cal/84 filed July 4, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method for the manufacture of allyl chloride by the chlorination of propylene at a temperature of upto 500°C where gaseous reactants are mixed in a mixing chamber, and making use of the heat of reaction in the chlorination process, hydrogen chloride is separated from post-reaction gases by rectification, characterised in that during starting the process, nitrogen in an amount of at least 20% by weight of chlorine is introduced into the system and passed through said mixing chamber, a reactor, heat exchangers, a hydrogen chloride rectifying column and a reflux tank of said rectifying column, and after 10-30 seconds, chlorine is introduced first in an amount of upto 60% of the required quantity and continued up to 66% when nitrogen supply is stopped, said nitrogen being withdrawn by a venting connection on the reflux tank of hydrogen chloride rectifying column; a reflux liquid consisting, mainly, of propylene and hydrogen chloride, being maintained in said tank for a period of upto 30 minutes when the hydrogen chloride concentration increases from 0% at the beginning, to 72% of the mixture, whereupon all the contents of the reflux tank are transferred to the column top, and when column vapours contain 95% hydrogen chloride by volume, said tank is being filled with said liquid reflux, the level thereof in said tank being maintained by withdrawing hydrogen chloride from the tank to ensure stable column operation; the reaction products in the rectification columns being then separated and synthesized allyl chloride collected as a distillate.

Compl. Spen. 9 pages. Drg. 1 sheet.

CLASS : 145-D. 161698

Int. Cl. B 21 f 1/00.

DISK SCREEN APPARATUS, AND METHOD OF MAKING THE SAME

Applicant : BELOIT CORPORATION, OF P.O. BOX 350, BELOIT WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventor : 1. MICHAEL LEO GILL.

Application No. 498/Cal 83 filed July 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A disk screen apparatus comprising a screening bed having a series of corotating spaced parallel elongate disk assemblies each of which has a longitudinal series of concentric screen disks which interdigitate in axially spaced relation with the screen disks on the adjacent disk assemblies and comprising :

each of said disk assemblies having an elongate shaft provided with means at opposite ends for rotatably mounting the assembly in the disk screen apparatus,

an elongate indexing and keying structure extending longitudinally along and rigid with the perimeter of said shaft and providing a longitudinally extending and circumferentially facing edge,

said edge having a series of longitudinally spaced circumferentially extending indexing and keying notches therein,

said screen disks being annular and mounted on said shaft and having inner diameters with key means engageable in said notches,

and means for locking said key means in said notches and thereby retaining said disks spaced from one another in accordance with said notches and corotative with said shaft.

Compl. spen. 16 pages. Drg. 2 sheets

CLASS : 93; 188. 161699

Int. Cl. B 23 p 3/00.

A DEVICE FOR THERMAL SPRAYING OF BUILD-UP WELDING MATERIALS.

Applicant : CASTOLIN S.A., OF P.C. B. 1020, LAUSANNE SH-1001, SWITZERLAND.

Inventors : 1. MANFRED OECHSLE, 2. UWE SZIESLO, 3. KARL-PETER STREB, 4. WOLFGANG SIMM.

Application No. 612/Cal/84 filed September 3, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A device for the thermal spraying of build-up welding materials, consisting of a coolable focussing jet with an enlarged space on the feed-in side to accommodate facilities for the regulatable feeding-in of working components, namely operating gases and build-up welding materials, *characterized in that* the enlarged space is designed as a combustion chamber (2) with a flow-accelerating transition controur 4' to the opening into the focussing jet, and in the combustion chamber there is affixed, in relation to the opening (4) into the focussing jet (1), an axially adjustable combustion jet (5), provided with differential pressure, or a nozzle holder (6), and in that, in addition, in the wall of the combustion chamber (2) there is affixed on the jet (5) an adjustable ignition electrode (7), the said electrode being provided with a switch-oh element (10) which switches on the electrode (7) following the scavenging of the focussing jet (1) and prior to the feeding-in of the combustion gas.

Compl. specn. 20 pages Drg. 4 sheets

CLASS : 39-K. 161700

Int. Cl. : C 01 b 25/18.

PROCESS FOR PREPARATION OF PHOSPHORIC ACID FROM LOW GRADE ROCK PHOSPHATE BY REMOVAL OF SILICA AND MAGNESIUM FROM LOW GRADE HIGH SILICA AND MGO CONTENT, ROCK PHOSPHATE.

Applicant : PROJECTS & DEVELOPMENT INDIA LIMITED OF P.O. SINDRI, PIN 828122, DHANBAD, BIHAR, INDIA.

Inventors : 1. KRISHNA MOHAN VERMA, 2. ASHUTOSH MUKHERJEE, 3. RAM UDAR SINGH, 4. ANWAR AHMED, 5. BISVANATH GUPTA, . OM PRAKASH MITAL, 7. AJIT KUMAR DAS, 8. BAISAKH GUPTA.

Application No. 257/Cal/85 filed April 4, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for the manufacture of phosphoric acid from low grade rock phosphate containing both magnesium and silica as impurities which comprises in subjecting said rock phosphate to a reaction with dilute sulphuric acid of 2 to 10% strength at temperature of 40 to 100°C, removing the soluble magnesium as filtered from the slurry thus obtained, subjecting the filter case obtained from the filtration to a reaction with a mixture of sulphuric acid and phosphoric acid having sulphuric acid to phosphoric acid in the ratio of at least *1 : 3 is to 15 : 30 at temperature of 50 to 100°C* followed by filtering the reaction mass thus obtained and washing the same with water to obtain insoluble silica and soluble reaction product, thereafter subjecting the soluble *reactoin* product, obtained as filtered to reaction with sulphuric acid of 50 to 98% strength in order to obtain insoluble gypsum as by-product and soluble phosphoric acid as product and thereafter filtering the thus obtained reaction mass to obtain phosphoric acid and removing the gypsum.

Compl. Specn. 13 pages. Drg. Nil

CLASS : 172 D_8. 161701

Int. Cl. : D01h 7/00.

APPARATUS FOR THE PRODUCTION OF FANCY YARNS.

Applicant : CHAVANOZ SA., A FRENCH BODY CORPORATE, OF CHAVANOZ, 38230 PONTE DE CHERUY, FRANCE.

Inventor : MARC DURAND.

Application for Patent No. 471/Del/84 filed on 11th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

4 claims

Apparatus for use in the production of a fancy yarn, said apparatus comprising means for feeding at least one yarn along a path, a rotating component positioned adjacent said path and continuously rotatable about an axis which is transverse to said path, a yarn guiding portion mounted on said continuously rotating component, said yarn guiding portion being positioned on said continuously rotating component at a distance from said axis whereby said yarn guiding portion itself rotates about-said axis and means positioned at one end of the said rotating component to feed a further yarn to said yarn guiding portion of said continuously rotating component, whereby said further yarn is caused to reciprocate longitudinally of said path.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 56 F & G. 161702

Int. Cl. : C10g 15/00.

METHOD AND APPARATUS FOR THE EXTRACTION OF A PRODUCT GAS FROM THE WASTE MATERIALS.

Applicant : PYROLYSIS SYSTEMS INC., A CORPORATION ORGANISED UNDER THE LAWS OF CANADA, OF P.O. BOX 10, WELLAND, ONTARIO, CANADA, L3B 5PI.

Inventors : THOMAS GORDON BARTON & EDWARD SPENCER FOX.

Application for Patent No. 512/Del/84 filed on 26th June, 1984.

Convention date 23rd January, 1984/445887/(Candada).

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

24 claims

A method for the extraction of a product gas of the kind such as herein described from waste material of the kind such as herein described, thereby effecting pyrolytic destruction of waste material, said method comprising :

subjecting the waste material to a high temperature plasma arc between 5000°C to 50,000°C to atomize and ionize the waste materials;

cooling the atomized and ionized waste material in a reaction chamber to form recombines products including product gas and particulate matter

removing said recombined products from the reaction chamber;

quenching the recombined products with an alkaline atomized spray to neutralize same and wet the particulate matter;

extracting the product gas from the recombined products.

Compl. Specn. 31 pages. Drgs. 3 sheet.

CLASS : 129 G. 161703

Int. Cl. : B29f 3/00.

APPARAUS FOR ADVANCING AND WORKING THERMOPLASTIC MATERIALS.

Applicant : THE B.F. GOODRICH COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF 277 PARK AVENUE NEW YORK, NEW YORK 10017, AND WITH BUSINESS OFFICES AT 500 SOUTH MAIN STREET, ARKON, OHIO 44318, U.S.A.

Inventor : HEUNG-TAI KIM.

Application for Patent No. 560/Del/84 filed on 10th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patents Office Branch, New Delhi-5.

9 claims

An apparatus for advancing and working thermoplastic materials comprising a cylinder; said cylinder having die die means at one end thereof; a feed screw rotatably journaled in said cylinder; said feed screw having a feed section, a transmission section and a metering section; characterised in that said feed screw has a single helical flight that extends from said one end to the other end thereof; the pitch of said flights in said metering section being smaller than the pitch of said flights in both of the other of said sections; and said metering section has a plurality of circumferentially extending shear rings located along the axially length thereof.

Compl. Specification 11 pages. Drg. 1 sheet.

CLASS : 36A,. 161704

Int. Cl. : F04d 1/00.

IMPROVED CENTRIFUGAL PUMP USEFUL IN PUMPING SAND LADEN FLUIDS.

Applicant : DRESSER INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, ONE OF THE UNITED STATES OF AMRICA, OF THE DRESSER BUILDING, P.O. BOX 718, DALLAS, TEXAS 75221, U.S.A.

Inventor : ELDON LEMON DRAKE.

Application for Patent No. 570/Del/84 filed on 11th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patents Office Branch, New Delhi-5.

7 claims

An improved centrifugal pump useful in pumping sand laden fluids comprising a housing, a shaft rotatable in said housing, said shaft connected to at least one impeller rotatable therewith, at least one fixed diffuser for each said impeller, there being a close running clearance between a respective said impeller and a respective said diffuser characterised in an improved bearing means between said impeller and said fixed diffuser, said bearing means comprising an annular thrust member attached to said impeller said annular thrust member being of a material having a hardness greater than the hardness of sand and having a bearing surface; and an annular stationary member also having a hardness greater than sand attached to said diffuser, said annular stationary member also having a bearing surface disposed in juxtaposition with the bearing surface on said annular thrust member to absorb thrust loading on said impeller, said close running clearance being such as to allow sand in said fluids to come between said bearing surfaces.

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 116G & 129 J. 161705

Int. Cl. : B21b 43/00.

IMPROVED METHOD OF HOT ROLLING AND DIRECT SEQUENTIAL COOLING OF STEEL ROD.

Applicant : MORGAN CONSTRUCTION COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE COMMONWEALTH OF MASSACHUSETTS, U.S.A. OF 15 BELMONT STREET, WORCESTER, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : ASJED AHMED JALIL.

Application for Patent No. 618/Del/84 filed on 30th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patents Office Branch, New Delhi-5.

5 claims

An improved method of hot rolling and direct sequential cooling of steel rod from 4.0 to 8.0 mm in diameter existing from a mill finishing train at mill delivery speeds of at least about 75 m/sec., wherein the rolled rod is directed at said mill delivery speeds through liquid cooling devices to a laying head which forms the rod into rings, characterised in the steps of :

(a) preliminarily applying liquid coolant to the rod prior to its existing from the mill finishing train in quantities sufficient to achieve an increase in the column strength of the rod existing from the mill finishing train by lowering its surface temperature to less than about 950°; and

(b) applying a sufficient tractive force to the thus strengthened rod at least one location between the mill finishing train and the laying head to insure that the rod has the necessary forward momentum to pass from the finishing train, through the liquid cooling devices and to and through the laying head.

Compl. Specn. 12 pages. Drg. 1 sheet.

CLASS : 55F. 161706

Int. Cl. : A61 K-35/00.

PROCESS FOR THE PREPARATION OF A BIOLOGICALLY ACTIVE EXTRACT.

Applicant : SOLCO BASEL AG., A SWISS COMPANY, OF GELLERTSTRASSE 18, CH-4052 BASLE, SWITZERLAND.

Inventors : ROBER OERTLI.

Application for Patent No. 729/Del/84 filed on 18th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patents Office Branch, New Delhi-5.

9 claims

A process for the preparation of a biologically active, low-salt, pyrogen-free, sterile and antigen-free complete extract of mammal organs and of cell cultures, the extract consisting of a mixture of biologically active substances having a molecular weight of less than 10,000 Daltons, which comprises comminuting with disintegration of the cells the starting material which has been procured, and may have been stored, under low-germ or sterile conditions, rapidly heating the comminuted and disintegrated material in a heat exchanger to a temperature from 70 to 90°C and rapidly again cooling to a low temperature, separating the products thereby precipitated from the solution by centrifugation removing the substances having a molecular weight of greater than 10,000 Daltons from the solution by ultrafiltration and removing the salt ions from the remaining solution by electrodialysis, the whole process being carried out with exclusion of any foreign substances other than water, and without the use of any carrier material for separation methods.

Compl. Specn. 21 pages. Drgs. 2 sheets.

CLASS : 27 I & 87A. 161707

Int. Cl. : A63b 27/00, 29/00, 9/00 & 21/00.

EXERCISING DEVICE FOR SIMULATING THE ACTION OF CLIMBING.

Applicant : WILLIAM THOMAS WILKINSON, A U.S. CITIZEN, OF HERITAGE COURT APARTMENTS, WILMINGTON, STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventor : WILLIAM THOMAS WILKINSON.

Application of Patent No. 793/Del/84 filed on 10th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

9 claims

An exercising device for simulating the action of climbing which comprises a pair of side support units spaced from

each other, each of said side support units comprising a pair of legs pivotally connected to each other, a stabilizing element or elements interconnecting each of said pair of legs to each other to form a frame, said support units including adjustable supports, a horizontal platform spanning said support units at said adjustable supports at one of a plurality of preselected vertical positions, and said platform having a width greater than the width of either of the legs and being the sole adjustably positionable step of said device.

Compl. Specn. 10 pages. Drgs. 5 sheets.

CLASS : 13A. 161708

Int. Cl. : B65J 89/00, 77/04 & 75/38.

METHOD AND DEVICE FOR THE MANUFACTURE OF FLEXIBLE CONTAINERS FOR THE STORAGE OF BULK MATERIAL AND CONTAINERS SO MANUFACTURED.

Applicant : NORSK HYDRO A.S., A NORWEGIAN COMPANY, OF BYGDY ALLE 2, 0257 OSLO 2, NORWAY.

Inventors : EIRIK MYKLEBUST, BJARNE OMDAL & ANDERS JUEL.

Application for Patent No. 832/Del/84 filed on 26th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

7 claims

A method for the manufacture of a flexible container for the storage of bulk material, said container being composed of an outer container of strong load-carrying material and an inner liner of impervious sheet material, the outer surface of said liner being at all the times in contiguous relationship with the inner surface of said outer container, which method comprises placing said inner liner within said outer container, inflating said inner liner until it fills the outer container with their respective outer and inner contours in intimate contact, the inflation of said liner causing said outer container likewise to expand to the full, subjecting the inflated liner-outer container combination to uniform, symmetrically disposed lateral pressure substantially along the central line of two opposite sides of said combination to cause said combination to collapse inwardly with the centre line of each of said opposite sides moving inwardly to the centre of said liner-outer container combination whereby the material of said outer container and that of said liner folds inwardly into at least one gusset on either side, each gusset being formed by an inter-leaving of the material of the liner with the material of the outer container, and continuing to apply said lateral pressure to flatten said liner-outer container combination with a corresponding flattening of the formed gussets to provide the desired flexible container in flattened form.

Compl. Specn. 12 pages. Drgs. 3 sheets.

CLASS : 129 J. 161709

Int. Cl. : B21b 37/14.

ROLLING MILL WITH AUTOMATIC GAUGE CONTROL.

Applicant : MORGAN CONSTRUCTION COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE COMMONWEALTH OF MASSACHUSETTS, UNITED STATES OF AMERICA, OF 15 BELMONT STREET, WORCESTER, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors : RICHARD JAMES REARDON ENDRE SANDON MAROTI, COLING ROY & JOHN STEWART LINDSAY.

Application for Patent No. 858/Del/84 filed on 9th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

3 claims

A rolling mill with automatic gauge control, said mill comprising :

a group of successive finishing stands, each said finishing stand being provided with a pair of adjustable work rolls defining a roll pass, the work rolls of each roll pass driving the product through the said successive finishing stands;

a data station positioned downstream of the last finishing stands; stand to measure the transverse dimensions of the product being discharged therefrom and to generate an output representative of the thus measured transverse dimensions;

a computer connected to said data station for receiving the output from the data station, and for determining if the thus measured transverse dimensions are within pre-established limits, and when they are not, for providing commands to at least two selected said finishing stands to adjust the said work rolls thereof, the said adjustments being progressively smaller in the upstream direction of rolling and being sufficient in totality to bring the transverse dimensions of the product within said pre-established limits.

Compl. Specn. 22 pages. Drgs. 13 sheets.

CLASS : 132B. 161710

Int. Cl. : E210 43/00.

PROCESS AND PLANT FOR PRODUCTION OF FUEL GAS BY COMBUSTION/GASIFICATION OF MATERIALS IN A FLUIDIZED BED WITH REMOVAL OF SOLID PRODUCTS.

Applicant : CRESOT-LOIRE, A FRENCH COMPANY. OF 42 RUE D'ANJOU, 75008 PARIS, FRANCE.

Inventor : JEAN XAVIER MORIN.

Application for Patent No. 874/Del/84 filed on 19th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-5.

9 claims

A process for the production of fuel gas by combustion/gasification in a fluidized bed with the removal of solid products, which comprises forming a fluidized bed of the materials to be treated by upward circulation of a gas such as herein described, subjecting said materials to be treated to combustion/gasification in said fluidized bed while maintaining the material at a temperature below the sticking temperature of solid particles resulting from combustion/gasification, separating and recovering the fine particles-entrained with the combustion gas, at least a part of said fine particles-being capable of agglomerating, removing the purified gas, passing said recovered particles into a localized zone maintained at a temperature higher than the sticking temperature, removing the particles capable of being agglomerated and recycling the particles which have been incompletely treated in said fluidized bed.

Compl. Specn. 19 pages. Drg. 1 sheet.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by I.A.E.C. India Limited to the grant of a Patent on application No. 160322 made by Uhde Gesellschaft M.B.H.

(2)

An opposition has been entered by Shri D.W. Bapot on application No. 160065 (101/Del/84) dated 2nd February, 1984 made by M/s. Producers Rice Mill Inc.

(3)

An opposition has been entered into by M/s. Nat Steel Equipment Private Limited Bombay to the grant of a Patent on application for Patent No. 159777 made by Nalkur Sripad Rao, Bombay.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

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112151 113508 114700 115350 115468 116151

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144719 144813 144949 145327 145332 145449 145454 145636 145735

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146037 146343 146378 146392 146414 146419 146424 146427 146436 146439 146440 146441 146442 146443 146444 146445 146446 146447 146448 146449 146450 146451 146453 146455 146457 146639 146640 146658 146725 146740 146743 146749 146750 146754 146860 146861 146864 146865 146866 146867 146869

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NO PATENTS FOR NOTIFICATION

156461 156466 156476 156529 156554 156556 156563 156592 156593 156614 156617 156635 156641 156642 156672 156682 156689 156715 156728 156756 156805 156806 156809 156811 156830 156832 156835 156879 156901

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AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Tambrands Limited in respect of Patent application No. 159496 as advertised in Part III, Section 2 of the Gazette of India dated the 25th July, 1987 have been allowed.

(2)

Notice is hereby given that Davy Mckee Aktiengesellschaft, a company organised under the laws of Federal Republic of Germany, of Borsegallee 1,6000 Frankfurt am Main, Federal Republic of Germany have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 157448 for "spinning manifold with serial nozzle blocks". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the patent office, 214, Acharya Jagadish Bose Road, Calcuta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the patent Office, calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

RENEWAL FEES PAID

140665 141919 142171 142188 142307 142351 152575 142600 142741 143022 143227 143372 143682 143747 143874 143992 144272 144663 144664 144835 144928 144970 145122 145213 145314 145582 145949 146074 146122 146232 146319 146438 146510 146532 146541 146566 146670 146704 146952 147049 147051 147181 147182 147336 147404 147493 147574 147622 147647 147659 147701 147716 147788 147795 147948 148026 148058 148101 148183 148184 148210 148229 148260 148295 148347 148348 148406 148476 149108 149218 149306 149383 149573 149669 149682 149902 150051 150072 150169 150245 150275 150328 150398 150567 150591 150613 150765 150896 151081 151254 151566 151763 152070 152071 152261 152278 152342 152370 152429 152698 152701 152720 152810 152871 152907 152926 152945 153032 153127 153129 153156 153233 153245 153229 153278 153315 153330 153331 153332 153337 153356 153362 153382 153383 153386 153395 153399 153421 153426 153466 153505 153512 153694 153732 154028 154031 154138 154196 154318 154351 154421 154435 154452 154454 154485 154613 154634 154765 154855 154856 154919 154948 154978 155012 155022 155029 155030 155031 155032 155082 155177 155233 155504 155539 155629 155771 155794 155817 155958 156060 156183 156305 156648 156769 156775 156818 156874 156965 157062 157108 157109 157200 157255 157260 157317 157438 157444 157484 157490 157511 157678 157710 157711 157712 157715 157723 157729 157731 157732 157744 157745 157746 157747 157748 157852 157886 157913 157958 158003 158451 158452 158453 158585 158588 158590 158595 158596 158598 158600 158601 158643 158649 158667 158702

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REGISTRATION OF DESIGNS

The following designing have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry in the date of registration of the design included in the entry.

Class 1. Nos. 158419 to 158421. Chinar Trust through its Trustee N. R. Dongre, C-37, Connaught Place, New Delhi. Indian Trust. "Electric Iron". June 11, 1987.

Class 1. No. 158422. Chinar Trust. C-37, Connaught Place, New Delhi-110001. Indian Trust, "Juicer". June 11, 1987.

Class 1. No. 158486. Bala Kishan Javar, Gunduvari Street, Bajahmundry, A. P., Indian. "Brass Singasan". July 1, 1987.

Class 3. No. 158191. Universal Luggage Mfg. Co. Ltd., Indian Company of Bldg. "B", Shah Industrial Estate, Saki Vihar Road, Bombay-400072, Maharashtra, India. "Suitcase". April 3, 1987.

Class 3. No. 158329. Eagle Flask Pvt. Ltd., Indian Company of Eagle Estate, Talegaon 410507, Maharashtra, India. "Water Bottle". May 12, 1987.

Class 3. No. 158382. Rama Krishna Moulder, Indian Partnership Firm of G-11, G.T. Road, Delhi. "Wine server". June 4, 1987.

Class 3. No. 158384. Rama Krishna Moulder, Indian Partnership Firm of G-11, G. T. Road, Delhi. "Ice Bucket". June, 1987.

Class 3. Nos. 158387, 158398 to 158400. M. K. Electric Ltd., British Company of Shrubbery Road, Edmonton, London N9 OPB, England. "A front plate to receive electrical component of a modular system". June 5, 1987.

Class 3. No. 158390. M. K. Electric Ltd., British Company of Shrubbery Road, Edmonton, London N9 OPB, England. "A front plate to receive electrical component of a modular system". June 5, 1987.

Class 3 Nos. 158401 & 158402. Murphy India Limited, Indian Company of Ceat Mahal, 463, Dr. Annie Besant Road, Worli, Bombay 400005, Maharashtra. "Two band radio-cum-transistor case". June 8, 1987.

Class 3. Nos. 158403 to 158406. Femina Pen Industries. Indian Proprietory Firm, of 2/1, Nandram Sen 1st Lane, Calcutta-5, W.B. "Ball Pen". June 9, 1987.

Class 3. No. 158441. Unitex Industries, Unit No. 9, 4-B, Shanti Nagar, Vakola, Santacruz East, Bombay-400055, Maharashtra. Indian Co. "Pencil container". June 17, 1987.

Class 3. Nos. 158446 & 158447. Eagle Flask Pvt. Ltd., Indian Company at Eagle Estate, Talegaon, Dist : Pune, Maharashtra. "Container". June 22, 1987

Class 3. 158476 M.K. Electric Ltd., British Company of Shrubbery Road, Edmonton, London N90PB, England. "Electric Modular Plate (3-Module)". July 1, 1987.

Class 3. No. 158487. Elesa S.P.A., Italian Company of Via G. Bascoli 21, 20129. Milano, Italy. "A Control Handle". July 2, 1987.

Class 3. No. 158489. Elesa S.P.A., Italian Company of Via G. Bascoli 21, 20129, Milano, Italy. "A Breather plug for oil tanks". July 2, 1987.

Class 3. No.158500. Eagle Flask Pvt. Ltd., Indian Company of Eagle Estate, Talegaon 410507, Dist: Pune, Maharashtra, India. "Flask". July 7, 1987.

Class 3. Nos. 158514 & 158515. Lion Pencils Pvt. Ltd., Indian Company, of Andrew Nagar, S. V. Road, Dahisar, Bombay-400068, Maharashtra, India. "Ball Pen". July 10, 1987.

Class 3. No. 158569. Shree Krishnakeshav Laboratories Ltd., Indian Company of Amrajwadi Road, Ahmedabad, Gujarat, India. "Seal for a bottle". July 22, 1987.

Class 3. No. 158737. National Plastics of 107/1H, Tollygunge Road, Calcutta-700026, W.B., India, Indian Partnership Firm. "Cycle Basket". August 25, 1987.

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No. 152335	Class 1
Nos. 152360, 157441	Class 3

COPYRIGHT EXTENDED FOR THE THIRD PERIOD OF FIVE YEARS.

Nos. 146410, 146422, 146211, 146271, 146423, 146932 & 146421,	Class 1
No. 157441	Class 3

Name indexes of Applicants for Patents for the month of July, 1987 (No. 507|Cal|87 to 596|Cal|87, 206|Bom|87 to 245|Bom|87, 472|Mas|87 to 554|Mas|87 and 555|Del|87 to 656|Del|87)

Name	*Appln. No.*

"A"

AB IDEA.—530/Cal/87.

Actief N.V.—491/Mas/87.

Advanced Separation Technologies Incorporated.—619/Del/87.

Agrawal, G.D.—572/Del/87.

Ahmedabad Textile Industry's Research Association.—207/Bom/87.

Aktiebolaget Bofors.—618/Del/87.

Albers, W.F.—220/Bom/87.

Alcan International Limited—507/Mas/87.

Alfi Zitzmann GmbH & Co.—519/Cal/87.

Alra Laboratories, Inc.—647/Del/87

Alufluor Aktieblag—577/Del/87, 578/Del/87.

American Telephone and Telegraph Co.—510/Mas/87, 511/Mas/87, 512/Mas/87.

Anantharaman, S.—22/Bom/87.

Area Stal Ab.—520/Cal/87.

Atochem—492/Mas/87.

Australian Commercial Research & Development Ltd.—516/Cal/87.

Aziende Chimiche Riunite Angelini Francesco A.C.R.A.F. S.p.A.—563/Cal/87.

Name	Appln. No.

"B"

BP Chemicals Limited—574/Del/87, 588/Del/87.

B.V. Optische Industrie "De Cude Delft"—581/Cal/87 & 592/Cal/87.

Babcock & Wilcox Co. The.—573/Cal/87, 579/Cal/87, 588/Cal/87.

Baltiskoe Tsentralnoe Proektno-Konstruktorskoe Bjuro S Experimentalnym (opytnym) Proizvodstvem—661/Del/87.

Bata India Limited—572/Cal/87.

Batham, C. S.—244/Bom/87.

Battelle Memorial Institute—543/Mas/87.

Bayer Aktiengesellschaft—629/Del/87.

Belgorodsky Tekhnologichesky Institut Stroltelnykh Ma erialov Imeni I.A. Grishmanova—582/Del/87.

Beloit Corporation—509/Cal/87, 548/Cal/87, 553/Cal/87.

Belorussky Gosudarstvenny Universitet Imeni V.I. Lenina—537/Cal/87, 543/Cal/87.

Bhide, S.K.—211/Bom/87.

Bhosale, P.N. (Dr.)—224/Bom/87

Boots Company PLC, The—549/Mas/87, 550/Mas/87.

Braun, A.—481/Mas/87.

British Steel Corporation—522/Mas/87.

Bureau BBR Ltd.—506/Mas/87.

"C"

CO. GE. IT. S.R.L. Costruzioni Generali Italiane—656/Del/87.

Calgene, Inc.—546/Mas/87, 547/Mas/87.

Camphor and Allied Products Limited—206/Bom/87.

Carburettors Limited—500/Mas/87.

Catepillar Inc.—502/Mas/87, 509/Mas/87.

Champion Spark Plug Europe S.A.—573/Del/87.

Chief Controller of Research and Development, The.—560/Del/87 & 595/Del/87.

Ching-Long, H.—234/Bom/87.

Cloup, J.—554/Mas/87.

Cookson Group plc.—503/Mas/87.

Colt Industries Inc.—516/Cal/87.

Commodore Amiga, Inc.—554/Cal/87, 555/Cal/87, 556/Cal/87 & 557/Cal/87.

Continental Gummi-Werke Aktiengesellschaft—472/Mas/87

Coventry City Council—601/Del/87.

Council of Scientific & Industrial Research—567/Del/87 622/Del/87, 626/Del/87, 627/Del/87, 633/Del/87, 651/Del/87, 652/Del/87, 660/Del/87 & 663/Del/87.

Crane Packing Limited—555/Del/87, 558/Del/87.

Name	Appln. No.

"D"

DR. Madaue GmbH & Co.—672/Del/87.

Davy McKee (London) Ltd.—551/Mas/87, 552/Mas/87, 553/Mas/87.

Deshmukh, S.S.—242/Bom/87.

Deshpande, V.B.—210/Bom/87.

Dharamsi Morarji Chemical Company Limited, The—227/Bom/87.

Dneprodzerzhinsky Vagonostroitelny Zavod Imeni Gazety "Pravda"—546/Cal/87.

Dorr-Oliver Incorporated—635/Del/87.

Dow Chemical Company, The—537/Mas/87.

Du Pont (Australia) Ltd.—662/Del/87.

Du Pont Canada Inc.—510/Cal/87.

Dutta, S (Sri)—525/Cal/87.

"E"

E T D Technology, Inc.—596/Cal/87.

Ebner Industrieofenbau Gesellschaft m.b.h.—580/Cal/87.

Elda, b.—533/Cal/87.

Electronic & Engineering Company—209/Bom/87.

English Electric Company of India Limited, The—513/Mas/87.

Enichem Augusta S.p.A.—494/Mas/87, 495/Mas/87, 496/Mas/87.

Enichem Sintesi S.p.A.—515/Mas/87.

Eniricarche S.p.A.—494/Mas/87, 495/Mas/87 & 496/Mas/87.

"E"

Entreprise Gagneraud Pere & Fils.—675/Del/87.

Envarì S.A.—479/Mas/87.

Esco Corporation—676/Del/87.

Esmil, B.V.—527/Mas/87.

Exxon Chemical Patents Inc.—620/Del/87, 630/Del/87.

"F"

F. L. Smidth & Co. A/S.—545/Mas/87

FMC Corporation—493/Mas/87.

F. Willich Berg-Und Bantechnik GmbH Co.—530/Mas/87.

Fantasy Toys, Inc.—522/Cal/87.

Fehder, C.G.—674/Del/87.

Firma Ernst Winter & Sohn (GmbH & Co.)—518/Mas/87 519/Mas/87.

Fletcher, J.M.—557/Del/87.

Fletcher Sutcliffe Wild Limited—565/Cal/87.

Flexistack Pty. Ltd.—236/Bom/87.

Fuller Company—628/Del/87.

Name	*Appln. No.*

"G"

Gallay S.A.—599/Del/87.

Gandhi, R.K.—225/Bom/87.

Gillette Company, The—579/Del/87, 580/Del/87.

Greaves Foseco Ltd.—216/Bom/87.

Gulhane, V.N.—218/Bom/87, 219/Bom/87.

"H"

Hawkins Cookers Ltd.—231/Bom/87.

Henkel Kommanditgesellschaft auf Aktien—535/Mas/87.

Hindustan Lever Ltd.—212/Bom/87, 240/Bom/87, 241/Bom/87.

Hindoostan Spinning & Weaving Mills Ltd., The—230/Bom/87.

Hitachi Ltd.—574/Cal/87.

Hoechst Aktiengesellschaft—578/Cal/87 & 517/Mas/87.

Hoechst India Ltd.—237/Bom/87, 238/Bom/87.

Honda Giken Kogyo Kabushiki Kaisha—538/Mas/87.

Hoyeck, R.H.—535/Cal/87.

"I"

IEL Limited—570/Cal/87, 571/Cal/87.

Imperial Smelting Processes Limited—482/Mas/87.

Indian Space Research Organisation—483/Mas/87.

Injectall Limited—514/Cal/87.

Institut Francais Du Petrole—477/Mas/87.

Institut Neftekhimicheskogo Sinteza Imeni A.V. Topchieva Akademii Nauk SSSR.—531/Cal/87.

Interlego AG.—590/Del/87.

International Development Research Centre—592/Del/87.

Innotech Energy Corporation—546/Del/87.

"J"

Jagdale, H. (Dr)—239/Bom/87.

Jain, K.C.—638/Del/87, 640/Del/87, 641/Del/87.

Joshi, D.M.—229/Bom/87.

"K"

Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo—529/Cal/87.

Kabel-Und Metallwerke Gutehoffnungshutte Aktiengesellschaft—534/Cal/87.

Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo—533/Mas/87.

Name	*Appln. No.*

Kabushiki Kaisha Toyota Chuokenkyusho—475/Mas/87 476/Mas/87.

Kalilia, G.A.—226/Bom/87.

Kalilia, J.A.—226/Bom/87.

Kalilia, J.A. (Sm.)—226/Bom/87.

Kalilia, P.A.—226/Bom/87.

Kalilia, Y.A.—226/Bom/87.

Kansai Electric Power Co. Inc., The—574/Cal/87.

Khandelwal, A.C.—242/Bom/87.

Kimberley Vere Sadleir—228/Bom/87.

Klein, Schanzlin & Becker Aktiengesellschaft—512/Cal/87.

Kombinat Fortschritt Landmaschinen Veb Anlagenbau Impulsa Esterwerda Am Nordbahnhof—576/Cal/87.

Kothari, R.M.—233/Bom/87.

Kothari, V. M.—233/Bom/87.

Kotian, H.P.—245/Bom/87.

Kwik Products International Corp.—561/Del/87.

"L"

L & C Steinmuller GMBH.—559/Cal/87.

La Telemecanique Electrique—576/Del/87, 586/Del/87 & 587/Del/87.

Lang, K.C.—649/Del/87.

Lanxide Technology Company—526/Cal/87, 527/Cal/87.

Lego A/S.—591/Del/87.

Lemmens, G.—549/Cal/87.

Lin W.S.—505/Mas/87.

Lincolin GmbH.—504/Mas/87.

Linde Aktiengesellschaft—480/Mas/87, 536/Mas/87.

Lokhande, C.D. (Dr).—214/Bom/87, 224/Bom/87 & 239/Bom/87.

Lubrizol Corporation, The.—575/Del/87 & 648/Del/87.

Lucas Industries Public Limited Co—484/Mas/87, 485/Mas/87, 524/Mas/87.

Luminis Pty. Ltd.—561/Cal/87.

"M"

M & T Chemicals Inc.—550/Cal/87.

M. W. Kellogg Company, The—615/Del/87.

Maghamits Inc.—670/Del/87.

Marathe Engineering Industries—223/Bom/87.

Maschinenfabrik Rieter AG.—486/Mas/87.

Mauser-Werks GmbH.—497/Mas/87, 498/Mas/87

Name & Application No.

"M"

McMurmott Incorporated.—562/Cal/87.

Mehta, M.B.—242/Bom/87.

Melchior, J.F.—538/Cal/87.

Merlin Gerin.—531/Mas/87 & 532/Mas/87.

Metal Box Plc.—479/Mas/87 & 563/Del/87.

Metallgesell chaft Aktiengesellschaft.—513/Cal/87, 517/Cal/87, 518/Cal/87, 524/Cal/87 & 595/Cal/87.

Mittal, B.L.—559/Del/87.

Mitsui Toatsu Chemicals, Incorporated.—521/Cal/87.

Mobil Oil Corporation.—520/Mas/87 & 539/Mas/87.

Monneret Jouets.—584/Del/87.

Moskovsky Institut Stali I Splavov.—575/Cal/87.

Mujawar, B.A. (Dr.).—208/Bom/87.

Myring, D.F.—508/Mas/87.

"N"

Nair, K.C.M.—488/Mas/87.

Nerikar, G.L.—242/Bom/87.

Nippon Pharmaceutical Development Institute Company Limited.—536/Cal/87.

Nukem GmbH.—552/Cal/87.

"O"

O & K Orenstein & Koppel Aktiengesellschaft.—591/Cal/87.

Oy. S.C.—511/Cal/87.

Occidental Research Corporation, The.—542/Mas/87.

Orbital Engine Company Proprietary Limited.—598/Del/87.

Orissa Renewable Energy Development Agency.—540/Cal/87.

"P"

PPG Indu tries, INC.—564/Del/87.

Pandian, J.A.M.—489/Mas/87.

Passamaguoddy Tribe d.b.a. Durgon Products Company.—589/Del/87.

Pattabhi, V.—528/Cal/87.

Patel, S.C. (Smt.).—243/Bom/87.

Pawar, S.H. (Dr.).—214/Bom/87, 224/Bom/87 & 239/Bom/87.

Pfizer Inc.—631/Del/87, 632/Del/87 & 636/Del/87.

Phillip, B. (Dr.).—488/Mas/87.

Plessey Company plc, The.—569/Cal/87 & 526/Mas/87.

Posi-Seal International Inc.—487/Mas/87.

Potnis, V.V. (Mrs.).—215/Bom/87.

"Q"

Quayle, A.—616/Del/87.

Quayle, A. A.—616/Del/87.

Quayle, E.—616/Del/87.

Qualitrol Corporation.—567/Cal/87, 568/Cal/87.

Name & Application No.

"R"

R & C Products Pty. Limited.—614/Del/87.

RIB Loc Australia Pty. Limited.—213/Bom/87.

Radhakrishnani, G. B.—217/Bom/87.

Rangachary, K.A.—521/Mas/87, 534/Mas/87, 540/Mas/87.

Rangarao, M. G. R.—593/Del/87, 602/Del/87.

Rao, Y. N. M.—529/Mas/87.

Ray, P. C.—508/Cal/87.

Repligen Corporation.—474/Mas/87.

Rhone-Poulenc Chimie.—514/Mas/87.

Robert Bosch GMBH.—544/Mas/87.

Robert George Stafford.—523/Mas/87.

Rohm and Haas Co.—569/Del/87.

Ross Systems Corp.—625/Del/87.

Roychowdhury, S. K.—551/Cal/87.

"S"

STC PLC.—650/Del/87.

Samancor Limited.—658/Del/87.

Sanden Corporation.—604/Del/87, 605/Del/87, 606/Del/87.

Sankei Pharmaceutical Company Limited.—536/Cal/87.

Santa Barbara Research Centre—603/Del/87.

Santrade Limited.—232/Bom/87.

Sarma, M. S. V.—499/Mas/87.

Saarstickstoff-Patol GMBH.—560/Cal/87.

Secretary of Agriculture, U.S.A., The—474/Mas/87.

Seshadri, K.—548/Mas/87.

Shah, M. R.—235/Bom/87.

Shah, R. A.—233/Bom/87.

Shah, V. C.—221/Bom/87.

Shah, V. K.—233/Bom/87.

Shell Internationale Research Maatschappij B. V.—473/Mas/87, 596/Del/87, 637/Del/87.

Shri Ram Institute for Industrial Research.—571/Del/87, 581/Del/87, 594/Del/87, 608/Del/87, 609/Del/87 610/Del/87, 611/Del/87, 612/Del/87, 613/Del/87, 639/Del/87, 642/Del/87, 643/Del/87, 644/Del/87, 645/Del/87, 664/Del/87, 665/Del/87, 666/Del/87, 667/Del/87, 668/Del/87, 669/Del/87.

Siemens Aktiengesellschaft.—541/Cal/87, 582/Cal/87, 583/Cal/87, 584/Cal/87, 585/Cal/87, 586/Cal/87, 587/Cal/87 593/Cal/87, 594/Cal/87.

Singhal, D. C.—539/Cal/87.

Singhania, S. K.—566/Cal/87.

Sonex Research, Inc.—507/Cal/87.

Sotralentz S. A.—590/Cal/87.

South India Textile Research Association, The—541/Mas/87.

Stamicarbon, B. V.—516/Mas/87.

Stein Heurtey.—501/Mas/87.

Sumitomo Heavy Industries, Ltd.—577/Cal/87.

Sun Industrial Coatings Private Ltd.—583/Del/87, 585/Del/87.

Name & Application No.

"T"

Tandon, B. S.— 570, Del/87.

Tatnall, M. L.—508/Mas/87.

Tbilisskee Specsialnoe Konstruktorsko-Tekhnologi Cheskoe Bjuro Stankostroenia.—532/Cal/87.

Telephone Cables Limited —671/Del/87.

Thyssen Stahl Aktiengesellschaft.—523/Cal/87.

Total (Cie Fce Des Petroles).—675/Del/87.

Toyama Chemical Co. Limited.—515/Cal/87

"U"

UOP Inc.—654/Del/87.

Ulticon System, Inc.—556/Del/87.

Union Carbide Corporation.—490/Mas/87, 565/Del/87, 607/Del/87, 617/Del/87, 623/Del/87, 624/Del/87, 673/Del/87.

Union Rheinische Braunkohlen Kraftstoff AG.—621/Del/87.

Uniroyal Chemical Company, Inc —568/Del/87.

Universal Vectors Corporation —657/Del/87.

"V"

Veb Chemiekombinat Bitterfeld.—589/Cal/87.

Velencei, J.—634/Del/87.

Volgo-Uralsky Nauchno-Issledovatelsky I Proektny Institut Po Dobyche I Pererabotke Serovodorod-soder Zhaschikh Gazov (Volgouralnipigaz).—542/Cal/87.

Vsesojuzny Nauchno-Issledovatelsky I Proektny Institut Mekhanicheskoi Obrabotki Poleznykh Iskopaemykh.—547/Cal/87.

"W"

W. R. Grace & Co.—597/Del/87.

W. S. Insulators of India Ltd.—525/Mas/87.

Westinghouse Electric Corpn.—544/Cal/87, 545/Cal/87, 564/Cal/87.

Westmed Pty. Ltd.—528/Mas/87.

Whirlpool Corpn —659/Del/87.

Widen Innovation AB.—600/Del/87.

"Y"

Yamamoto & Co. Ltd —558/Cal/87.

"Z"

Zing International Ltd.—655/Del/87.

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"A"

AB Äkerlund & Rausing.—559/Mas/87, 560/Mas/87, 561/Mas/87, 562/Mas/87.

ASEA Stal AB.—627/Mas/87.

Acumeter Laboratories, Inc.—762/Del/87.

Advanced Cordiovascular Systems, Inc.—678/Del/87.

Name & Application No.

"A"

Advanced Separation Technologies Incorporated.—698/Del/87, 701/Del/87.

Agrawala, S. P.—754, Del/87.

Alcan International Limited.—702 Del/87.

Alles, A.—695/Del/87.

Almog, E.—649/Cal/87.

Aluminium Pechiney.—599/Mas/87.

American Cyanamid Company —624/Cal/87, 646/Cal/87.

American Telephone & Telegraph Company.—618/Mas/87.

Arrowhead Industrial Water, Inc.—703/Del/87.

Ausimont S.p.A.—676/Cal/87.

"B"

B. F. Goodrich Company, The —718/Del/87, 747/Del/87, 748/Del/87, 749/Del/87, 752/Del/87.

Babcock & Wilcox Co. The.—604/Cal/87, 618/Cal/87, 643/Cal/87, 645/Cal/87, 662/Cal/87, 669/Cal/87, 686/Del/87.

Baleke-Durr Aktiengesellschaft.—682/Del/87.

Belgorodsky Tekhnologichesky Institut Stroitelnykh Materialov Imeni I.A. Grishmanova.—717/Del/87.

Beloit Corporation —611/Cal/87 & 651/Cal/87.

Belorossky Gosudarstvenny Universitet Imeni V.I. Lenina 679/Cal/87, 680/Cal/87.

Bendix France — 716/Del/87.

BWN Vortoil Limited — 670/Cal/87.

Bhandiwad, R.—625/Mas/87

Braunschweigische Maschinenbauanstalt AG.—680/Del/87.

British Petroleum Company, P.L.C., The— 556/Mas/87.

Brown & Williamson Tobacco Corporation.—567/Mas/87.

Brunner, A.—626/Mas/87.

"C"

Cetus Corporation —633 Cal/87.

Chaliha, R.—675/Cal/87

Chamberlain Group, Inc., The —598/Mas/87.

Chand, C.S.—558/Mas/87.

Chandary, D. M.—642/Cal/87.

Chuang, R. C.—620/Mas/87.

Claudius Peters Aktiengesellschaft.—271/Bom/87 & 272/Bom/87.

Clinton Badger Pinke.—685 Del/87.

Colgate Palmolive Company.—704/Del/87, 741/Del/87, 743/Del/87, 751/Del/87.

Commonwealth Scientific & Industrial Research Organisation.—648/Cal/87.

Communications Satellite Corporation.—597/Mas/87.

Continental Manufacturing & Sales Inc.—603 Cal/87.

Council of Scientific and Industrial Research, 721/Del/87, 722/Del/87, 724/Del/87, 727 Del/87, 730/Del/87, 732/Del/87, 739/Del/87.

Name and Application No.

"D"

Dalmia Institute of Scientific & Industrial Research.—631/Cal/87.

Data Card Corpn.—581/Mas/87.

DEE Van Enterprise Company Limited.—602/Mas/87.

Degussa Aktiengesellschaft.—667/Cal/87, 668/Cal/87.

Desai, M. H.—255/Bom/87.

Deutsche Texaco AG.—592/Mas/87.

Digital Equipment Corporation.—733/Del/87, 734/Del/87, 735/Del/87, 750/Del/87.

Dnepropetrovsky Metallurgichesky institut Imeni L.I. Brezhneva.—686/Cal/87.

Dowan Kraft Systems Pvt. Ltd.—768/Del/87.

Dow Chemical Company, The—576/Mas/87, 584/Mas/87, 585/Mas/87, 593/Mas/87.

Duraware Pvt. Ltd.—267/Bom/87.

Dyson Refractories Limited.—697/Del/87.

"E"

E.I. Du Pont De Nemours and Company.—614/Cal/87, 687/Cal/87.

Eaton Corporation.—620/Cal/87, 629/Cal/87.

Edlon Products, Inc.—647/Cal/87.

Electronica Consumer Durables Pvt. Ltd.—250/Bom/87.

Emerson Electric Co.—626/Cal/87, 666/Cal/87.

Energy Conversion Devices, Inc.—712/Del/87.

Engelhard Corporation.—660/Cal/87.

Exxon Chemical Patents, Inc.—760/Del/87.

Exxon Research and Engineering Company.—738/Del/87.

"F"

Fidia, S.p.A.—608/Cal/87.

Fischer, G.—761/Del/87.

Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.h.—658/Cal/87.

"G"

Gambhir, S.R.—269/Bom/87.

General Foods Corporation—622/Cal/87.

Ghosh, K.—635/Cal/87, 636/Cal/87.

Gonsalves, A.N.—723/Del/87.

Gorodetsky, D.B.—671/Cal/87.

Goswami, A.K.—597/Del/87.

Gupta, B.K.—694/Del/87.

Guy, G.—622/Mas/87.

"H"

Hardikar, S.V.—249/Bom/87.

Haver & Beecker—710/Del/87.

Henkel Corporation—594/Mas/87.

Hindustan Lever Ltd.—253/Bom/87 & 274/Bom/87.

Hitachi Construction Machinery Co, Ltd.—664/Cal/87.

Name and Application No.

"H"

Hitachi Ltd.—659/Cal/87, 664/Cal/87.

Hoechst A.G.—655/Cal/87.

Hoechst Aktiengesellschaft—577/Mas/87.

Hoechst Celanese Corporation—602/Cal/87.

Hoechst India Ltd.—265/Bom/87, 266/Bom/87.

Honda Giken Kogyo Kabushiki Kaisha—742/Del/87.

Honeywell Bull Inc.—246/Bom/87, 247/Bom/87.

Horiba Limited.—653/Cal/87.

Hu, L.T.—614/Mas/87.

Hylsa, S.A. DE C.V.—555/Mas/87.

"I"

ICI Australia Operations Proprietary, Limited—696/Del/87.

IDL Chemical Limited—590/Mas/87.

INCO Alloys International, Inc.—572/Mas/87.

Imperial Chemical Industries Plc.—728/Del/87.

Indian Institute of Technology—591/Mas/87.

Institute Francais Du Petrole—566/Mas 87.

International Paint Public Limited Company—758/Del/87.

Ireco Incorporated—613/Mas/87.

"J"

Jackson, S.G.—563/Mas/87.

Jefferson Approtrac Company Pty. Ltd.—681/Del/87.

Jain, S.S.—763/Del/87.

Joh Enschede En Zonen Grafische Inrichting B.V.—700/Del/87.

Joshi, P.B.—569/Mas/87.

Joshi, S.P.—603/Mas/87.

"K"

K.C.P. Limited, The—610/Mas/87.

Kabushiki Kaisha Toshiba—254/Bom/87.

Karnataka Explosives Limited—263/Bom/87.

Khaitin, B.S.—671/Cal/87.

Knight-Mechadyne Ltd.—616/Cal/87.

Korting Hannover Aktiengesellschaft—693/Del/87.

Krupadanam, G.L.D.—611/Mas/87, 612/Mas/87.

Kumar, B.—754/Del/87.

Kumar, R.J.—611/Mas/87, 612/Mas/87.

"L"

La Telemecanique Electrique—689/Del/87.

Lanxide Technology Company—607/Cal/87.

Legueu, P.—617/Cal/87.

Leningradsky Gosudarstvenny Institut Po Proektirovaniju, Metallurgicheskikh Zavodov, "Lengiprome".—685/Cal/87.

Name and Application No.

Lenzing Aktiengesellschaft—661/Cal/87.

Linde Aktiengesellschaft—580/Mas/87.

Lubrizol Corporation, The—687/Del/87, 713/Del/87, 725/Del/87, 729/Del/87.

Lucas Industries Public Limited, Company—582/Mas/87, 600/Mas/87.

M

M.S.S. Agricultural Packaging (Industries) Ltd.—615/Mas/87.

M.W. Kellogg Company, The—764/Del/87, 765/Del/87, 766/Del/87.

Mannesmann Aktiengesellschaft—621/Mas/87.

Man Gutchoffnungshutte GMBH—589/Mas/87.

Marathon Electric Manufacturing Corporation.—256/Bom/87, 257/Bom/87, 258/Bom/87, 259/Bom/87, 260/Bom/87, 261/Bom/87.

Maschinenfabrik Rieter AG.—568/Mas/87.

Mass Transfer Limited—595/Mas/87.

Mechanical Plastics Corpn.—736/Del/87.

Meiji Seika Kaisha, Ltd.—613/Cal/87.

Melika Industrial Co., Ltd.—620/Mas/87.

Menzolit GMBH.—625/Cal/87.

Merichem Company—628/Mas/87.

Minnesota Mining and Manufacturing Company—583/Mas/87, 639/Cal/87, 640/Cal/87, 641/Cal/87.

Metallurgical & Engineering Consultents (India) Limited—688/Cal/87.

Minnesota Mining and Manufacturing Company—683/Mas/87, 616/Mas/87.

Mitra, B.N.—598/Cal/87.

Mitra, S.—709/Del/87.

Mitutoyo Mfg. Co. Ltd.—615/Cal/87.

Modray Limited—573/Mas/87.

Monsanto Company—624/Mas/87.

Moore, W.P.—650/Cal/87.

Murali, A.—262/Bom/87.

N

Nauchno-Proizvodstvennoe Obiedinenie "Elektrofarfor"—677/Cal/87.

Nizhnetagilsky Metallurgichesky Kombinat Imeni V.I. Lenina—672/Cal/87.

O

Obermeyer, H.K.—605/Cal/87, 606/Cal/

Oil & Natural Gas Commission—744/Del.

Orissa Cement Limited—631/Cal/87.

P

P.H. Tech. Incorporated—627/Cal/87.

Patel, S.C.—268/Bom/87.

Pennwalt Corporation—610/Cal/87.

Name and Application No.

Permea Inc.—588/Mas/87.

Pfizer Inc.—688/Del/87.

Phillips Petroleum Co.—609/Cal/87, 621/Cal/87.

Piaggo & C.S.p.A.—684/Del/87 & 715/Del/87.

Pillai, P.—623/Mas/87.

Pillai, S.—623/Mas/87.

Pinto, S.—273/Bom/87.

Pont-A-Mousson S.A.—726/Del/87.

Pradler, J.—674/Cal/87.

Probhu, M.P.—604/Mas/87, 605/Mas/87.

R

RCA Corporation—657/Cal/87.

REM Chemicals, Inc.—759/Del/87.

Rai, Y.S.—587/Mas/87.

Ramat David Metal Works—649/Cal/87.

Raughachary, K.A.—564/Mas/87, 570/Mas/87, 571/Mas/87, 606/Mas/87.

Rao, M.V.—604/Mas/87, 605/Mas/87.

Reckitt & Colman Products Limited—617/Mas/87.

Research Association for Residual Oil Processing—600/Cal/87.

Rhone-Poulenc Films—574/Mas/87.

Rohm and Haas Co.—711/Del/87.

Rohatgi, K.K.—632/Cal/87.

S

SAB Nife AB.—753/Del/87.

S.P.C. Holding Co.—731/Del/87.

Sanden Corpn.—679/Del/87 & 740/Del/87.

Sannabhadti, L.—270/Bom/87.

Sawhney, I.K.—754/Del/87.

Scimat Limited—607/Mas/87, 608/Mas/87, 609/Mas/87.

Seshadri, K.—603/Mas/87

Shell Internationale Research Maatschappij B.V.—557/Mas/87, 565/Mas/87.

Shridhar, V.K.—264/Bom/87.

Shri Ram Institute for Industrial Research—705/Del/87, 706/Del/87, 707/Del/87, 708/Del/87, 714/Del/87, 745/Del/87 & 746/Del/87.

Siemens Aktiengesellschaft.—599/Cal/87.

Singh, V.B.—677/Del/87.

Singh, V. (Dr.)—755/Del/87.

Siteg Siebtechnik GmbH.—683/Del/87.

Societe Anonyme Dite : Kiplivit—644/Cal/87.

Societe Chimique Des Charbonnages S.A.—673/Cal/87.

Societa Italiana Serie Acetica Sintetica Spa.—612/Cal/87.

Name and Application No.

S

Societe Nouvelle Raffinerie Meridionale De Ceresines Belix.—699/Del/87.

Sola, A.—628/Cal/87.

South India Textile Research Association, The—619/Mas/87.

Splendour Presentations—769/Del/87, 770/Del/87.

Srimannarayana, G.—611/Mas/87, 612/Mas/87.

Srivastava, S.C.—654/Cal/87.

Standipack Private Ltd.—767/Del/87.

Stanic, Mladjag—663/Cal/87.

Stauffer Chemical Co. Stettner & Co.—586/Mas/87, 596/Mas/87.

Stoping Aktiengesellschaft—652/Cal/87.

T

Tata Energy Research Institute, The—720/Del/87.

Thinking Machines Corporation—629/Mas/87.

Thermax Pvt Ltd.—248/Bom/87, 251/Bom/87, 252/Bom/87.

Tea Trading Co. Ltd—578/Mas/87, 579/Mas/87.

Toroma Pty. Ltd.—682/Cal/87.

Toyo Engineering Corporation—665/Cal/87.

Transcom Australia Limited—601/Mas/87.

U

USX Engineers and Consultants, Inc.—756/Del/87.

Universal Incorporated—737/Del/87.

Universal Technic.—575/Mas/87.

Uralsky Nauchno-Issledovatelsky Institut Chernykh Metallov (Uralmetchermet)—619/Cal/87.

Uralsky Politekhnicheskiy Institut Imeni S.M. Kirova—672/Cal/87.

Uzbekskoe Proizvodstvennoe Obiedinenie Textilnogo Mashinostroenia—678/Cal/87.

V

Varadachari, C.—636/Cal/87, 636/Cal/87.

Varma, B.K. (Dr.)—637/Cal/87.

Vitchuk, R.A.—671/Cal/87.

Voest-Alpine Aktiengesellschaft—656/Cal/IE.

Vostochny Nauchno-Issledovatelsky Uglekhimichesky Institut (Vukhin)—683/Cal/87.

Vsesojuzny Nauchno-Issledovatelsky I Proektny Institut Alyuminievoi, Magnievoi I Elektrodnoi Promyshlennosti—719/Del/87.

Vsesojuzny Nauchno-Issledovatelsky Institut Veterinarnoi Entomologii I Arakhnologii—684/Cal/87.

W

Warner-Lambert Company—690/Del/87, 691/Del/87 & 692/Del/87.

Westinghouse Electric Corporation—601/Cal/87, 634/Cal/87, 681/Cal/87.

Wilson Sporting Goods Co.—575/Del/87.

Y

Yeh, T.N.—623/Cal/87.

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A

AB Akerlund & Rausing—631/Mas/87, 632/Mas/87, 633/Mas/87.
AC Biotechnics AB.—752/Cal/87.

Advance Composite Components Limited—638/Mas/87.

Akerson, T.—862/Del/87.

Alam, M.M.—711/Cal/87, 734/Cal/87.

Alcan International Limited—856/Del/87.

Almblad, D.F.—808/Del/87.

Alumina Espanola, S.A.—811/Del/87.

American Combustion Inc.—298/Bom/87.

American Cyanamid Co.—697/Cal/87.

American Standard Inc.—659/Mas/87.

American Sterilizer Co.—762/Cal/87.

Ammonia Casale S.A.—680/Mas/87.

Amsted Industries Incorporated—630/Mas/87.

Andersson, K.G.—775/Del/87.

Appareillage Gardy Societe Anonyme—656/Mas/87.

Atochem—662/Mas/87.

Automobile Products of India Limited—301/Bom/87.

B

B.F. Goodrich Co. The—804/Del/87.

Babcock & Wilcox Co., The—692/Cal/87, 724/Cal/87.

Baber, U.—664/Mas/87.

Bajaj Auto Limited.—296/Bom/87.

Balaji, V.—640/Mas/87.

Balakrishnan, S. (Mrs.).—639/Mas/87.

Baard Spydevold—750/Cal/87.

Bhabha Atomic Research Centre—297/Bom/87

Biabrasive International Ltd.—794/Del/87.

Bfec International Inc.—780/Del/87.

Bishop, D.H.L.—655/Mas/87.

Boeing Company, The—685/Mas/87.

British Telecommunications Public Limited Company—698/Mas/87.

C

Canteenwalla, J.S.—294/Bom/87.

Caterpillar Inc.—690/Mas/87.

Centrem, SA.—803/Del/87.

Chordia, V.K.—809/Del/87 & 831/Del/87.

Ciba-Geigy AG.—778/Del/87.

Cookson Group Plc.—652/Mas/87, 653/Mas/87.

Combustion Engineering, Inc.—768/Cal/87.

Name	Appln. No.
Compagnie Europeenne Du Zirconium Cenzus	733/Cal/87.
Compagnie Generale Des Matiers	696/Cal/87.
Contempo Products	841/Del/87.
Council of Scientific and Industrial Research	779/Del/87, 782/Del/87, 783/Del/87, 784/Del/87, 799/Del/87, 817/Del/87 818/Del/87, 819/Del/87, 820/Del/87, 821/Del/87, 847/Del/87, 848/Del/87, 852/Del/87 & 857/Del/87.
"D"	
Dalmia Institute of Scientific & Industrial Research	691/Cal/87.
Danieli & C. Officine Meccaniche Spa.	735/Cal/87.
Das, U.K.	704/Cal/87.
David, T.J.	774/Del/87.
Digital Equipment Corporation	828/Del/87.
Director, Central Council for Research in Ayurveda & Siddha, The	800/Del/87.
Desai, M.N.	291/Bom/87.
Dextec Matallurigical Pty. Ltd.	658/Mas/87.
Dholaria K.R.	302/Bom/87.
Dolaria, K.R.	275/Bom/87.
Dorr-Oliver Incorperated	795/Del/87 & 844/Del/87.
Dudrick Medical Research Fund I Ltd.	713/Cal/87.
Dyckerhoff & Wridmann Aktiengesellschaft	725/Cal/87.
"E"	
E.I. Du Pont De Nemours and Company	722/Cal/87, 723/Cal/87 & 749/Cal/87.
EMS Electronic Motor Systems Ab.	827/Del/87 & 834/Del/87.
Electricity Council, The Emhart Industries, Inc Emory University	806/Del/87, 677/Mas/87 & 756/Cal/87.
Engelhard Corporation	753/Cal/87.
Esco Corporation	854/Del/87.
Essex Group, Inc.	748/Cal/87.
Exxon Chemical Patents Inc.	822/Del/87, 823/Del/87 & 824/Del/87.
"F"	
Fabrique National Horstal	765/Cal/87.
Flakt AB	703/Mas/87 & 704/Mas/87.
Foseco International Ltd.	681/Mas/87 & 695/Mas/87.
Frontier Plastics (South Wales) Limited	861/Del/87 & 863/Del/87.
"G"	
G.D. Seigell & Company (P) Limited	813/Del/87.
GKN Technology Limited	858/Del/87 & 859/Del/87.
Garware-Wall Ropes Ltd.	289/Bom/87.
General Electric Company Plc, The	837/Del/87.
Gomace India Pvt. Ltd.	832/Del/87.
Guha, S.K. (Dr)	830/Del/87.
"H"	
Hari Fertiliser Ltd. Hellestam, S Herrli, P.	691/Cal/87, 698/Cal/87 & 841/Del/87.
Hindustan Lever Ltd.	303/Bom/87 & 304/Bom/87.
Hollings Worth (U.K.) Ltd.	802/Del/87.
Hughes Aircraft Co.	771/Del/87, 785/Del/87 & 845/Del/87.
"I"	
IDL Chemicals Ltd.	666/Mas/87.
Imperial Chemical Industries Plc.	772/Del/87.
Inco Alloys International, Inc.	648/Mas/87.
Institut Armand-Frappier	642/Mas/87.
Interatom GMBH.	742/Cal/87.
International Container Systems, Inc.	637/Mas/87.
Iseworth Limited	689/Mas/87.
Italbonder Spa.	741/Cal/87.
"J"	
Jain, M.K.	277/Bom/87.
Jennings, N.T.	860/Del/87.
Johnson Corporation, The	846/Del/87.
"K"	
Kagalwala, R.A.	300/Bom/87.
Kiel, J.L.	705/Mas/87.
Kievsky Meditsinsky Institut Imeni Akadomika A.A. Bogomoltsa	755/Cal/87.
Klockner Cra Technologie Gmbh.	718/Cal/87.
Koyo Sangyo Co. Ltd.	763/Cal/87.
Kumar, D.	792/Del/87.
Kumar, P.	814/Del/87.
"L"	
Laboratories Beaufour	842/Del/87.
Lamerie, N.V.	771/Cal/87.
Lanxide Technology Company	695/Cal/87, 700/Cal/87, 701/Cal/87, 702/Cal/87, 703/Cal/87, 706/Cal/87, 707/Cal/87, 708/Cal/87, 709/Cal/87, 712/Cal/87, 714/Cal/87, 715/Cal/87, 716/Cal/87, 720/Cal/87, 721/Cal/87, 734/Cal/87, 736/Cal/87, 737/Cal/87 & 738/Cal/87.
Linander, O.	698/Cal/87.
Lindauer Dernier Gesellschaft m.b.h.	727/Cal/87, 728/Cal/87, 729/Cal/87, 730/Cal/87 & 731/Cal/87.
Lubrizol Corporation, The	781/Del/87, 788/Del/87, 790/Del/87, 816/Del/87, 836/Del/87 & 840/Del/87.
Lucas Industries Public Limited Co.	645/Mas/87, 673/Mas/87, 694/Mas/87 & 701/Mas/87.
"M"	
Magnetics Research International Corporation	758/Cal/87.
Magyar Aluminiumipari Troszt	744/Cal/87.
Man Gatehoffnungshuttee GMBH.	646/Mas/87, 661/Mas/87, & 676/Mas/87.
Mannesmann Aktiengesellschaft	636/Mas/87 & 700/Mas/87.
Marotta Scientific Controls, Inc.	660/Mas/87.
Maschinenfabrik Rieter AG.	647/Mas/87, 657/Mas/87, 691/Mas/87 & 692/Mas/87.
Matalia, M.L.	279/Bom/87, 280/Bom/87, 281/Bom/87, 282/Bom/87, 283/Bom/87, 284/Bom/87, 285/Bom/87, 286/Bom/87 & 287/Bom/87.
Mathur, J.P.	849/Del/87 & 850/Del/87.
Maverick Microsystems International, Inc.	764/Cal/87.
Mesernott Incorporated	710/Cal/87.
Merlin Grin	670/Mas/87.
Mercedes Textiles Ltd.	757/Cal/87.

Name	Appln. No.

Merck Patent Gesellschaft Mit Beschrankter Haftung—739/Cal/87.

Metallgesellschaft Aktiengesellschaft—743/Cal/87.

Michelin & CIE (Compagnie Cenerale des Etablisscments MICHELIN)—663/Mas/87.

"M"

Minnesota Mining and Manufacturing Company—643/Mas/87.

Mobil Oil Corporation—769/Cal/87.

Mohamed, V.A.—678|Mas|87 & 679|Mas|87.

Moskovskoe Nauchno-Proizvodstvennoe Obiedinenie PO Mekhanizirovannomu Stroitelnomu Instrumentu I Otdelo Chaym Mashinam—760|Cal|87 & 761|Cal|87.

Moskovsky Gorny Institut—759/Cal/87.

Mukherjee, P.—747/Cal/87.

Mull, V.—793/Del/87.

"N"

Nareingani, S.—295/Bom/87.

Nauchno-Proizvodstvennoe Obiedinenie "Medinstrument".—776|Del|87, 777|Del|87, 791|Del|87 & 812|Del|87.

Nippon Chemipher Co. Ltd.—702/Mas/87.

Normalair-Garrett (Holdings) Limited—697/Mas/87.

Norzon Management Limited—688/Mas/87.

Novatome—699/Mas/87.

Nuffield Nursing Homes Trust—651/Mas/87.

"O"

Orbital Engine Company Proprietary Limited.—835/Del/87.

"P"

Paranjape, N. R.—288 Bom/87, 299/Bom/87.

Pasilac-Danish Turnkey Dairies A/s.—807/Del 87.

Patel, S. B.—305/Bom/87.

Patnaik, L.—767/Cal/87.

Pfizer Hospital Products Group, Inc.—833/Del/87.

Primages Inc.—855 Del/87.

Process Evaluation and Development Corporation, "Peadco"—797/Del/87.

"R"

Raja, G.—650/Mas/87.

Ramachandrappa, R.—672/Mas/87.

Rank Taylor Hobson Ltd.—675/Mas/87.

Rao, K. J. M.—746/Cal/87.

Rao, K. S.—746/Cal/87.

Rasheed, M. S. M.—667/Mas/87.

Rashtriya Chemicals and Fertilizers Ltd.—278/Bom/87, 306 Bom/87, 307/Bom/87.

Redmond, S.—796/Del/87.

Reckitt & Colman Products Limited.—649/Mas/87.

Name	Appln. No.

Rosemount Inc.—687/Mas/87.

Roy, Y. P.—717/Cal/87.

Rutgerswerke Aktiengesellschaft.—634/Mas/87.

"S"

S M S Schloemann Siemag Aktiengesellschaft.—693/Mas/87.

Sahara India Commercial Ltd.—773/Del/87.

Sanwaria, G.—705/Cal/87.

Sarkar, P. R.—699/Cal/87.

Schmoock, H.—745/Cal/87.

Seikenkai Foundational Juridical Person.—683/Mas/87, 684/Mas/87.

Shah, K.—293/Bom/87.

Sharma, B. B.—295/Bom/87.

Sharma, M.—838/Del/87, 839/Del/87.

Sharp Tools (Pvt) Ltd.—798/Del/87.

Shet, G. V.—674/Mas/87, 696/Mas/87.

Shree Krishnakeshav Laboratories Ltd.—793/Del/87.

Shroff, C. G.—276/Bom/87.

Shroff, D.N.—276/Bom/87.

Shroff, J. C.—276/Bom/87.

Shroff, K.D.—276/Bom/87.

Shroff, K.G.—276/Bom/87.

Shroff, P. K.—276/Bom/87.

Shroff, R. C.—276/Bom/87.

Sigma Tau Industrie Farmaceutiche Riunite S.p.A.—669/Mas/87.

Singh, A.—277/Bom/87.

Sir Padampat Research Centre—851/Del/87.

Societe Chimique Des Charbonnages S. A.—732/Cal/87.

"S"

Societe Das Produits Nestle S.A.—686/Mas/87.

Societe Nationale D'Etude ET De construction De Moteurs D'Aviation "S. N. E. C. M. A.".—801/Del/87.

Solvay & Cie.—826/Del/87.

Sood, B.—805/Del/87.

Standplastics (Proprietary) Ltd.—853/Del/87.

Stratoflex Inc.—682/Mas/87.

Sundaram, T. S.—668/Mas/87.

Svenska Rator Maskiner AB.—786/Del/87.

"T"

Teikoku Hormone Mfg. Co. Ltd.—654 Mas 87.

Telefonaktiebelaget L.M. Ericsson.—789/Del/87.

Terry Bandolph Galloway.—635/Mas/87.

Thomas Josef Heimback GmbH. & Co.—810/Del/87.

Trutzschler Gmbh & Co. Kg.—689/Cal/87, 690/Cal/87, 694/Cal/87, 719/Cal 87.

Tsentralnaya Opytno-Metodicheskaya Expeditsiya Obiedinenia, "Rosspetsgeologia".—754/Cal/87.

Name and Application No.

"U"

UOP Inc.—787/Del/87, 829/Del/87.
Universal Systemrics Corporation.—751/Cal/87.
Uni-Cardan AG.—742/Cal/87.
Uniroyal Chemical Company, Inc.—843/Del/87.
University of Dayton.—726/Cal/87 & 740/Cal/87.

"V"

Vatsala, T. M.—640/Mas/87.
Vatsala, Y. M.—671/Mas/87.
Venkatrao, P. R.—292/Bom/87.
Vision Pharmaceuticals, Incorporated.—644/Mas/87.
Voest-Alpine Aktiengesellschaft.—766/Cal/87.

Name and Application No.

"W"

W. R. Grace & Co.—815/Del/87.
Walchandnagar Industries Ltd.—290/Bom/87.
Warman International Limited.—722/Cal/87.
Waterford Research and Development Ltd.—665/Mas/87.
Westinghouse Electric Corporation.—693/Cal/87.
Willmot, A. J.—770/Cal/87.

"Z"

Zaklady Azotowe I.M.F. Dzierzynaskiego.—825/Del/87.
Zardi, U.—680/Mas/87.

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